

\$1,333,950,057
Government National Mortgage Association

GINNIE MAE®

**Guaranteed REMIC Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2019-006**

The Securities

The Trust will issue the Classes of Securities listed on the front cover of this offering circular supplement.

The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets

The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See “Risk Factors” beginning on page S-14 which highlights some of these risks.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be January 30, 2019.

You should read the Base Offering Circular as well as this Supplement.

The securities are exempt from registration under the Securities Act of 1933 and are “exempted securities” under the Securities Exchange Act of 1934.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 1						
FA	\$ 46,710,857	(5)	PT	FLT	38381BF74	January 2049
HA	8,522,000	3.50%	SUP/AD	FIX	38381BF81	January 2049
HD	3,965,000	3.50	PAC II	FIX	38381BF90	January 2049
HE	1,250,000	3.00	SUP/AD	FIX	38381BG24	January 2049
HG	1,250,000	4.00	SUP/AD	FIX	38381BG32	January 2049
HZ	2,715	3.50	SUP	FIX/Z	38381BG40	January 2049
PA	75,970,000	3.50	PAC I	FIX	38381BQ80	September 2048
PL	2,462,000	3.50	PAC I	FIX	38381BG57	January 2049
SA	46,710,857	(5)	NTL(PT)	INV/IO	38381BG65	January 2049
Security Group 2						
FJ	42,596,689	(5)	PT	FLT	38381BG73	January 2049
JA	57,971,941	3.50	PAC I	FIX	38381BG81	July 2047
JB	475,000	3.50	SUP/AD	FIX	38381BG99	January 2049
JE	1,000,000	3.50	SUP/AD	FIX	38381BH23	January 2049
JG	4,500,000	4.00	SUP/AD	FIX	38381BH31	January 2049
JH	4,500,000	3.00	SUP/AD	FIX	38381BH49	January 2049
JK	8,833,109	3.50	PAC I	FIX	38381BH56	January 2049
JL(1)	3,955,000	3.00	PAC II	FIX	38381BH64	January 2049
JM(1)	3,955,000	4.00	PAC II	FIX	38381BH72	January 2049
JZ	3,328	3.50	SUP	FIX/Z	38381BH80	January 2049
SJ	42,596,689	(5)	NTL(PT)	INV/IO	38381BH98	January 2049
Security Group 3						
EA	70,274,000	4.00	SEQ/AD	FIX	38381BJ21	March 2043
EZ	10,533,393	4.00	SEQ	FIX/Z	38381BJ39	January 2049
Security Group 4						
EB	24,431,034	3.25	SC/PT	FIX	38381BJ47	September 2039
EI	8,550,861	5.00	NTL(SC/PT)	FIX/IO	38381BJ54	September 2039
Security Group 5						
AT	14,597,682	(5)	NTL(SC/PT)	INV/IO	38381BJ62	October 2045
BS	31,918,303	(5)	NTL(SC/PT)	INV/IO	38381BJ70	December 2048
BT	12,329,469	(5)	NTL(SC/PT)	INV/IO	38381BJ88	November 2045
Security Group 6						
CS	14,056,456	(5)	NTL(SC/PT)	INV/IO	38381BJ96	February 2046
CT	2,023,815	(5)	NTL(SC/PT)	INV/IO	38381BK29	January 2046
Security Group 7						
G(1)	31,384,445	4.50	SC/PAC	FIX	38381BK37	August 2048
GY	8,445,863	4.50	SC/SUP	FIX	38381BK45	August 2048
Security Group 8						
AF(1)	12,466,173	(5)	SC/PT	FLT	38381BK52	November 2048
Security Group 9						
FL(1)	7,540,206	(5)	PT	FLT	38381BK60	January 2049
LA	40,000,000	3.50	PAC/AD	FIX	38381BK78	December 2048
LB	463,722	3.50	PAC/AD	FIX	38381BK86	January 2049
LF(1)	13,487,907	(5)	PAC/AD	FLT	38381BK94	January 2049
LS	13,487,907	(5)	NTL(PAC/AD)	INV/IO	38381BL28	January 2049
LZ	6,370,020	4.25	SUP	FIX/Z	38381BL36	January 2049
SL	7,540,206	(5)	NTL(PT)	INV/IO	38381BL44	January 2049
Security Group 10						
BA(1)	47,772,000	3.50	SC/SEQ	FIX	38381BL51	December 2048
BC(1)	26,387,000	3.50	SC/SEQ	FIX	38381BL69	October 2048
BD	7,907,289	3.50	SC/SEQ	FIX	38381BL77	October 2048
BE	52,372,555	3.50	SEQ	FIX	38381BL85	August 2045
BI	582,332	6.00	NTL(SC/PT)	FIX/IO	38381BL93	March 2033
BV(1)	4,112,000	3.50	SC/SEQ/AD	FIX	38381BM27	April 2030
BZ(1)	8,557,343	3.50	SC/SEQ	FIX/Z	38381BM35	December 2048
CA(1)	57,764,000	4.25	PAC/AD	FIX	38381BM43	January 2038
CB	130,000,000	4.25	PAC/AD	FIX	38381BM50	January 2049
CI	5,879,736	4.50	NTL(SC/PT)	FIX/IO	38381BM68	November 2038
CV(1)	3,798,000	3.50	SEQ/AD	FIX	38381BM76	April 2030

(Cover continued on next page)

Credit Suisse

Great Pacific Securities

The date of this Offering Circular Supplement is January 23, 2019.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
CZ	\$ 10,000,000	4.25%	SEQ/AD	FIX/Z	38381BM84	November 2044
DA(1)	75,137,970	3.50	SC/PT	FIX	38381BM92	August 2039
DB	75,000,000	3.50	PT	FIX	38381BN26	January 2049
DF(1)	22,940,000	(5)	PT	FLT	38381BN34	January 2049
DI	9,965,866	5.00	NTL(SC/PT)	FIX/IO	38381BN42	August 2039
DS	22,940,000	(5)	NTL(PT)	INV/IO	38381BN59	January 2049
DZ	20,136,000	4.25	SUP	FIX/Z	38381BN67	January 2049
FC(1)	45,476,750	(5)	PT	FLT	38381BN75	January 2049
FD(1)	59,666,666	(5)	PT	FLT	38381BN83	January 2049
FE(1)	38,666,666	(5)	PT	FLT	38381BN91	January 2049
FG(1)	85,616,666	(5)	PT	FLT	38381BP24	January 2049
SC	45,476,750	(5)	NTL(PT)	INV/IO	38381BP32	January 2049
SD(1)	59,666,666	(5)	NTL(PT)	INV/IO	38381BP40	January 2049
SE(1)	38,666,666	(5)	NTL(PT)	INV/IO	38381BP57	January 2049
SG(1)	37,283,333	(5)	NTL(PT)	INV/IO	38381BP65	January 2049
SH(1)	27,500,000	(5)	NTL(PT)	INV/IO	38381BP73	January 2049
SI(1)	20,833,333	(5)	NTL(PT)	INV/IO	38381BP81	January 2049
VB(1)	4,701,000	3.50	SC/SEQ/AD	FIX	38381BP99	May 2039
VC(1)	4,342,000	3.50	SEQ/AD	FIX	38381BQ23	May 2039
ZC(1)	7,904,195	3.50	SEQ	FIX/Z	38381BQ31	January 2049
Security Group 11						
KA(1)	52,372,555	3.50	SC/SEQ	FIX	38381BQ49	August 2045
Residuals						
RR	0	0.00	NPR	NPR	38381BQ56	January 2049
R11	0	0.00	NPR	NPR	38381BQ64	August 2045

- (1) These Securities may be exchanged for MX Securities described in Schedule I to this Supplement.
- (2) Subject to increase as described under “Increase in Size” in this Supplement. The amount shown for each Notional Class (indicated by “NTL” under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
- (3) As defined under “Class Types” in Appendix I to the Base Offering Circular. The Class Notional Balance of each Notional Class will be reduced as shown under “Terms Sheet — Notional Classes” in this Supplement.
- (4) See “Yield, Maturity and Prepayment Considerations — Final Distribution Date” in this Supplement.
- (5) See “Terms Sheet — Interest Rates” in this Supplement.

AVAILABLE INFORMATION

You should purchase the securities only if you have read and understood the following documents:

- this Offering Circular Supplement (this “Supplement”),
- the Base Offering Circular and
- in the case of the Group 4, 5, 6, 7, 8 and 11 Securities and the Class BA, BC, BD, BI, BV, BZ, CI, DA, DI and VB Securities, each disclosure document relating to the Underlying Certificates (the “Underlying Certificate Disclosure Documents”).

The Base Offering Circular and the Underlying Certificate Disclosure Documents are available on Ginnie Mae’s website located at <http://www.ginniemae.gov>.

If you do not have access to the internet, call BNY Mellon, which will act as information agent for the Trust, at (800) 234-GNMA, to order copies of the Base Offering Circular. In addition, you can obtain copies of any other document listed above by contacting BNY Mellon at the telephone number listed above.

Please consult the standard abbreviations of Class Types included in the Base Offering Circular as Appendix I and the glossary included in the Base Offering Circular as Appendix II for definitions of capitalized terms.

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TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly “Risk Factors,” and each of the other documents listed under “Available Information.”

Sponsor: Credit Suisse Securities (USA) LLC

Co-Sponsor: Great Pacific Securities

Trustee: Wells Fargo Bank, N.A.

Tax Administrator: The Trustee

Closing Date: January 30, 2019

Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in February 2019.

Trust Assets:

<u>Trust Asset Group or Subgroup⁽¹⁾</u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term To Maturity (in years)</u>
1	Ginnie Mae II	4.5%	30
2	Ginnie Mae II	4.5%	30
3	Ginnie Mae II	4.0%	30
4	Underlying Certificates	(2)	(2)
5A	Underlying Certificate	(2)	(2)
5B	Underlying Certificate	(2)	(2)
5C	Underlying Certificate	(2)	(2)
6A	Underlying Certificate	(2)	(2)
6B	Underlying Certificate	(2)	(2)
7	Underlying Certificate	(2)	(2)
8	Underlying Certificate	(2)	(2)
9	Ginnie Mae II	4.5%	30
10A	Underlying Certificates	(2)	(2)
10B	Underlying Certificate	(2)	(2)
10C	Ginnie Mae II	5.0%	30
10D	Ginnie Mae II	5.0%	30
10E	Underlying Certificates	(2)	(2)
10F	Underlying Certificate	(2)	(2)
10G	Underlying Certificate	(2)	(2)
10H	Underlying Certificate	(2)	(2)
10I	Underlying Certificate	(2)	(2)
10J	Underlying Certificate	(2)	(2)
10K	Underlying Certificate	(2)	(2)
10L	Underlying Certificates	(2)	(2)
10M	Underlying Certificates	(2)	(2)

<u>Trust Asset Group or Subgroup⁽¹⁾</u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term To Maturity (in years)</u>
10N	Ginnie Mae II	5.0%	30
10O	Ginnie Mae II	5.0%	30
10P	Ginnie Mae II	5.0%	30
10Q	Ginnie Mae II	5.0%	30
10R	Ginnie Mae II	5.0%	30
10S	Ginnie Mae II	5.0%	30
10T	Ginnie Mae II	5.0%	30
10U	Ginnie Mae II	5.0%	30
10V	Ginnie Mae II	5.0%	30
10W	Ginnie Mae II	5.0%	30
11	Underlying Certificate	(2)	(2)

⁽¹⁾ The Group 5, 6 and 10 Trust Assets consist of subgroups (each, a “Subgroup”).

⁽²⁾ Certain information regarding the Underlying Certificates is set forth in Exhibit A to this Supplement, except in the case of Ginnie Mae 2019-006 Class BE, for which this Supplement is the Underlying Certificate Disclosure Document.

Security Groups: This series of Securities consists of multiple Security Groups (each, a “Group”), as shown on the front cover of this Supplement and on Schedule I to this Supplement. Except in the case of certain MX Classes in Groups 8, 9, 10 and 11, payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3 and 9 Trust Assets and the Subgroup 10C, 10D, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V and 10W Trust Assets⁽¹⁾:

<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate⁽²⁾</u>
Group 1 Trust Assets			
\$140,132,572	357	3	4.931%
Group 2 Trust Assets			
\$127,790,067	358	2	4.953%
Group 3 Trust Assets			
\$80,807,393 ⁽³⁾	357	2	4.467%
Group 9 Trust Assets			
\$67,861,855	357	2	4.920%
Subgroup 10C Trust Assets			
\$90,953,500	357	2	5.270%
Subgroup 10D Trust Assets			
\$45,880,000	359	1	5.550%
Subgroup 10N Trust Assets			
\$103,999,998	358	1	5.500%
Subgroup 10O Trust Assets			
\$71,000,000	358	1	5.500%
Subgroup 10P Trust Assets			
\$66,850,000	358	1	5.500%
Subgroup 10Q Trust Assets			
\$60,000,000	358	1	5.500%
Subgroup 10R Trust Assets			
\$25,000,000	358	1	5.500%
Subgroup 10S Trust Assets			
\$50,000,000	358	1	5.470%
Subgroup 10T Trust Assets			
\$30,000,000	358	1	5.470%
Subgroup 10U Trust Assets			
\$30,000,000	358	1	5.470%
Subgroup 10V Trust Assets			
\$15,000,000	358	1	5.470%
Subgroup 10W Trust Assets			
\$25,000,000	358	1	5.470%

⁽¹⁾ As of January 1, 2019.

⁽²⁾ The Mortgage Loans underlying the Group 1, 2, 3 and 9 Trust Assets and the Subgroup 10C, 10D, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V and 10W Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

^③ More than 10% of the Mortgage Loans underlying the Group 3 Trust Assets may be higher balance Mortgage Loans. See *“Risk Factors” in this Supplement*.

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 1, 2, 3 and 9 Trust Assets and the Subgroup 10C, 10D, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V and 10W Trust Assets will differ from the weighted averages shown above, perhaps significantly. See *“The Trust Assets — The Mortgage Loans” in this Supplement*.

Characteristics of the Mortgage Loans Underlying the Group 4, 5, 6, 7, 8 and 11 Trust Assets and the Subgroup 10A, 10B, 10E, 10F, 10G, 10H, 10I, 10J, 10K, 10L and 10M Trust Assets: See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the related Underlying Trusts.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the “Fedwire Book-Entry System”). The Residual Securities will be issued in fully registered, certificated form. See *“Description of the Securities — Form of Securities” in this Supplement*.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See *“Description of the Securities — Modification and Exchange” in this Supplement*.

Increased Minimum Denomination Classes: Each Class that constitutes an Interest Only or Inverse Floating Rate Class. See *“Description of the Securities — Form of Securities” in this Supplement*.

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the front cover of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as “LIBOR”) as follows:

<u>Class</u>	<u>Interest Rate Formula(1)</u>	<u>Initial Interest Rate(2)</u>	<u>Minimum Rate</u>	<u>Maximum Rate</u>	<u>Delay (in days)</u>	<u>LIBOR for Minimum Interest Rate</u>
Security Group 1						
FA	LIBOR + 0.45%	2.96400%	0.45%	6.50%	0	0.00%
SA	6.05% – LIBOR	3.53600%	0.00%	6.05%	0	6.05%
Security Group 2						
FJ	LIBOR + 0.40%	2.91400%	0.40%	6.50%	0	0.00%
SJ	6.10% – LIBOR	3.58600%	0.00%	6.10%	0	6.10%
Security Group 5						
AT	6.25% – LIBOR	0.15000%	0.00%	0.15%	0	6.25%
BS	6.10% – LIBOR	3.59700%	0.00%	6.10%	0	6.10%
BT	6.20% – LIBOR	0.10000%	0.00%	0.10%	0	6.20%
Security Group 6						
CS	6.10% – LIBOR	3.59700%	0.00%	6.10%	0	6.10%
CT	6.15% – LIBOR	0.05000%	0.00%	0.05%	0	6.15%
Security Group 8						
AF	LIBOR + 0.40%	2.90300%	0.40%	6.50%	0	0.00%
Security Group 9						
FL	LIBOR + 0.40%	2.90300%	0.40%	6.50%	0	0.00%
LF	LIBOR + 0.40%	2.90300%	0.40%	6.50%	0	0.00%
LS	6.10% – LIBOR	3.59700%	0.00%	6.10%	0	6.10%
SL	6.10% – LIBOR	3.59700%	0.00%	6.10%	0	6.10%
Security Groups 8 and 9						
EF	LIBOR + 0.40%	2.90300%	0.40%	6.50%	0	0.00%
GF	LIBOR + 0.40%	2.90300%	0.40%	6.50%	0	0.00%
Security Group 10						
DF	LIBOR + 0.45%	2.96300%	0.45%	6.50%	0	0.00%
DS	6.05% – LIBOR	3.53700%	0.00%	6.05%	0	6.05%
FC	LIBOR + 0.40%	2.91300%	0.40%	6.50%	0	0.00%
FD	LIBOR + 0.40%	2.91300%	0.40%	6.50%	0	0.00%
FE	LIBOR + 0.40%	2.91300%	0.40%	6.50%	0	0.00%
FG	LIBOR + 0.45%	2.96300%	0.45%	6.50%	0	0.00%
FH	LIBOR + 0.45%	2.96300%	0.45%	6.50%	0	0.00%
FK	LIBOR + 0.40%	2.91300%	0.40%	6.50%	0	0.00%
SC	6.10% – LIBOR	3.58700%	0.00%	6.10%	0	6.10%
SD	6.10% – LIBOR	3.58700%	0.00%	6.10%	0	6.10%
SE	6.10% – LIBOR	3.58700%	0.00%	6.10%	0	6.10%
SG	6.05% – LIBOR	3.53700%	0.00%	6.05%	0	6.05%
SH	6.05% – LIBOR	3.53700%	0.00%	6.05%	0	6.05%
SI	6.05% – LIBOR	3.53700%	0.00%	6.05%	0	6.05%
SK	6.10% – LIBOR	3.58700%	0.00%	6.10%	0	6.10%
SM	6.05% – LIBOR	3.53700%	0.00%	6.05%	0	6.05%
SN	6.05% – LIBOR	3.53700%	0.00%	6.05%	0	6.05%

(1) LIBOR will be established on the basis of the ICE LIBOR method, as described under “Description of the Securities — Interest Distributions — Floating Rate and Inverse Floating Rate Classes” in this Supplement.

- (2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

SECURITY GROUP 1

The Group 1 Principal Distribution Amount and the HZ Accrual Amount will be allocated as follows:

- The HZ Accrual Amount, concurrently, to HA, HE and HG, pro rata, until retired, and then to HZ
- The Group 1 Principal Distribution Amount, concurrently, as follows:
 1. 33.3333330955% to FA, until retired
 2. 66.6666669045% in the following order of priority:
 - a. Sequentially, to PA and PL, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 - b. To HD, until reduced to its Scheduled Principal Balance for that Distribution Date
 - c. Concurrently, to HA, HE and HG, pro rata, until retired
 - d. To HZ, until retired
 - e. To HD, without regard to its Scheduled Principal Balance, until retired
 - f. Sequentially, to PA and PL, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 2

The Group 2 Principal Distribution Amount and the JZ Accrual Amount will be allocated as follows:

- The JZ Accrual Amount in the following order of priority:
 1. Concurrently, to JE, JG and JH, pro rata, until retired
 2. To JB, until retired
 3. To JZ
- The Group 2 Principal Distribution Amount, concurrently, as follows:
 1. 33.3333333333% to FJ, until retired
 2. 66.6666666667% in the following order of priority:
 - a. Sequentially, to JA and JK, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 - b. Concurrently, to JL and JM, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 - c. Concurrently, to JE, JG and JH, pro rata, until retired
 - d. Sequentially, to JB and JZ, in that order, until retired

e. Concurrently, to JL and JM, pro rata, without regard to their Aggregate Scheduled Principal Balance, until retired

f. Sequentially, to JA and JK, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 3

The Group 3 Principal Distribution Amount and the EZ Accrual Amount will be allocated, sequentially, to EA and EZ, in that order, until retired

SECURITY GROUP 4

The Group 4 Principal Distribution Amount will be allocated to EB, until retired

SECURITY GROUP 7

The Group 7 Principal Distribution Amount will be allocated in the following order of priority:

1. To G, until reduced to its Scheduled Principal Balance for that Distribution Date
2. To GY, until retired
3. To G, without regard to its Scheduled Principal Balance, until retired

SECURITY GROUP 8

The Group 8 Principal Distribution Amount will be allocated to AF, until retired

SECURITY GROUP 9

The Group 9 Principal Distribution Amount and the LZ Accrual Amount will be allocated as follows:

- The LZ Accrual Amount in the following order of priority:
 1. To LA, LB and LF, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, concurrently, as follows:
 - a. 75.0000004634%, sequentially, to LA and LB, in that order, while outstanding
 - b. 24.9999995366% to LF, while outstanding
 2. To LZ
- The Group 9 Principal Distribution Amount, concurrently, as follows:
 1. 11.1111109474% to FL, until retired
 2. 88.8888890526% in the following order of priority:
 - a. To LA, LB and LF, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, concurrently, as follows:
 - i. 75.0000004634%, sequentially, to LA and LB, in that order, while outstanding
 - ii. 24.9999995366% to LF, while outstanding

- b. To LZ, until retired
- c. To LA, LB and LF, in the same manner and order of priority as described in step 2.a. above, but without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 10

The Group 10 Principal Distribution Amount, the BZ Accrual Amount, the CZ Accrual Amount, the DZ Accrual Amount and the ZC Accrual Amount will be allocated as follows:

- The ZC Accrual Amount, sequentially, to CV and VC, in that order, until retired, and then to ZC
- The Subgroup 10A Principal Distribution Amount, sequentially, to BA, BV, VB and BZ, in that order, until retired
- The Subgroup 10B Principal Distribution Amount, sequentially, to BC and BD, in that order, until retired
- The Subgroup 10C Principal Distribution Amount, concurrently, as follows:
 1. 50% to FC, until retired
 2. 50%, sequentially, to BE, CV, VC and ZC, in that order, until retired
- The Subgroup 10D Principal Distribution Amount, concurrently, as follows:
 1. 50% to DF, until retired
 2. 50%, sequentially, to BE, CV, VC and ZC, in that order, until retired
- The Subgroup 10E Principal Distribution Amount, the Subgroup 10F Principal Distribution Amount, the Subgroup 10G Principal Distribution Amount, the Subgroup 10H Principal Distribution Amount, the Subgroup 10I Principal Distribution Amount, the Subgroup 10J Principal Distribution Amount, the Subgroup 10K Principal Distribution Amount and the Subgroup 10L Principal Distribution Amount to DA, until retired
- The Subgroup 10M Principal Distribution Amount and the BZ Accrual Amount, sequentially, to BV, VB and BZ, in that order, until retired
- 33.3333333333% of the Subgroup 10N Principal Distribution Amount and 50% of the Subgroup 10S Principal Distribution Amount to FD, until retired
- 33.3333323944% of the Subgroup 10O Principal Distribution Amount and 50% of the Subgroup 10T Principal Distribution Amount to FE, until retired
- 33.3333328347% of the Subgroup 10P Principal Distribution Amount, 33.3333333333% of the Subgroup 10Q Principal Distribution Amount, 33.333332% of the Subgroup 10R Principal Distribution Amount, 50% of the Subgroup 10U Principal Distribution Amount, 50% of the Subgroup 10V Principal Distribution Amount and 50% of the Subgroup 10W Principal Distribution Amount to FG, until retired
- 50% of the Subgroup 10S Principal Distribution Amount, 50% of the Subgroup 10T Principal Distribution Amount, 50% of the Subgroup 10U Principal Distribution Amount, 50% of the Subgroup 10V Principal Distribution Amount and 50% of the Subgroup 10W Principal Distribution Amount to DB, until retired
- The CZ Accrual Amount, the DZ Accrual Amount, the remainder of the Subgroup 10N Principal Distribution Amount, the remainder of the Subgroup 10O Principal Distribution Amount, the

remainder of the Subgroup 10P Principal Distribution Amount, the remainder of the Subgroup 10Q Principal Distribution Amount and the remainder of the Subgroup 10R Principal Distribution Amount in the following order of priority:

1. Sequentially, to CA and CB, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Sequentially, to CZ and DZ, in that order, until retired
3. Sequentially, to CA and CB, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 11

The Group 11 Principal Distribution Amount will be allocated to KA, until retired

Scheduled Principal Balances: The Scheduled Principal Balances or Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges:

Security Group	Class	Structuring Ranges
PAC I Classes		
1	PA and PL (in the aggregate)	150% PSA through 245% PSA
2	JA and JK (in the aggregate)	115% PSA through 230% PSA
PAC II Classes		
1	HD	173% PSA through 245% PSA
2	JL and JM (in the aggregate)	158% PSA through 230% PSA
PAC Classes		
7	G	165% PSA through 435% PSA
9	LA, LB and LF (in the aggregate)	175% PSA through 265% PSA
10	CA and CB (in the aggregate)	250% PSA through 400% PSA

Accrual Classes: Interest will accrue on each Accrual Class identified on the front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under “Allocation of Principal.”

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, (i) the Class Principal Balance or Class Principal Balances indicated or (ii) the outstanding principal or notional balance of the related Trust Asset Group, Subgroup or Subgroups indicated:

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
Security Group 1		
SA	\$46,710,857	100% of FA (PT Class)
Security Group 2		
SJ	\$42,596,689	100% of FJ (PT Class)
Security Group 4		
EI	\$ 8,550,861	35% of EB (SC/PT Class)
Security Group 5		
AT	\$14,597,682	100% of the Subgroup 5A Trust Assets
BS	31,918,303	100% of the Group 5 Trust Assets
BT	12,329,469	100% of the Subgroup 5B Trust Assets
Security Group 6		
CS	\$14,056,456	100% of the Group 6 Trust Assets
CT	2,023,815	100% of the Subgroup 6A Trust Assets
Security Group 7		
GI	\$10,461,481	33.3333333333% of G (SC/PAC Class)
Security Group 9		
LS	\$13,487,907	100% of LF (PAC/AD Class)
SL	7,540,206	100% of FL (PT Class)
Security Group 10		
BI	\$ 549,645	16.6666666667% of the Subgroup 10G Trust Assets
	32,687	8.3333333333% of the Subgroup 10H Trust Assets
	<u>\$ 582,332</u>	
CI	\$ 5,706,904	22.2222222222% of the Subgroup 10I and 10K Trust Assets (in the aggregate)
	172,832	11.1111111111% of the Subgroup 10J Trust Assets
	<u>\$ 5,879,736</u>	
DI	\$ 9,595,394	30% of the Subgroup 10E Trust Assets
	370,472	10% of the Subgroup 10F Trust Assets
	<u>\$ 9,965,866</u>	
DS	\$22,940,000	100% of DF (PT Class)
IC	20,217,400	35% of CA (PAC/AD Class)
SC	45,476,750	100% of FC (PT Class)
SD	59,666,666	100% of FD (PT Class)
SE	38,666,666	100% of FE (PT Class)
SG	\$22,283,333	33.3333328347% of the Subgroup 10P Trust Assets
	15,000,000	50% of the Subgroup 10U Trust Assets
	<u>\$37,283,333</u>	
SH	\$20,000,000	33.3333333333% of the Subgroup 10Q Trust Assets
	7,500,000	50% of the Subgroup 10V Trust Assets
	<u>\$27,500,000</u>	

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
SI	\$ 8,333,333	33.333332% of the Subgroup 10R Trust Assets
	12,500,000	50% of the Subgroup 10W Trust Assets
	<u>\$20,833,333</u>	
SK	\$98,333,332	100% of FD and FE (in the aggregate) (PT Classes)
SM	\$85,616,666	100% of FG (PT Class)
SN	\$20,000,000	33.333333333% of the Subgroup 10Q Trust Assets
	8,333,333	33.333332% of the Subgroup 10R Trust Assets
	20,000,000	50% of the Subgroup 10V and 10W Trust Assets (in the aggregate)
	<u>\$48,333,333</u>	

Tax Status: Single REMIC Series as to the Group 11 Trust Assets (the “Group 11 REMIC”) and Double REMIC Series as to the Group 1 through 10 Trust Assets. Separate REMIC elections will be made as to the Group 11 REMIC and the Issuing REMIC and Pooling REMIC with respect to the Group 1 through 10 Trust Assets (the “Group 1 through 10 Issuing REMIC” and the “Group 1 through 10 Pooling REMIC,” respectively). See “*Certain United States Federal Income Tax Consequences*” in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Classes R11 and RR are Residual Classes. Class R11 represents the Residual Interest of the Group 11 REMIC. Class RR represents the Residual Interest of the Group 1 through 10 Issuing and Pooling REMICs. All other Classes of REMIC Securities are Regular Classes.

RISK FACTORS

You should purchase securities only if you understand and are able to bear the associated risks. The risks applicable to your investment depend on the principal and interest type of your securities. This section highlights certain of these risks.

The rate of principal payments on the underlying mortgage loans will affect the rate of principal payments on your securities. The rate at which you will receive principal payments will depend largely on the rate of principal payments, including prepayments, on the mortgage loans underlying the related trust assets. Any historical data regarding mortgage loan prepayment rates may not be indicative of the rate of future prepayments on the underlying mortgage loans, and no assurances can be given about the rates at which the underlying mortgage loans will prepay. We expect the rate of principal payments on the underlying mortgage loans to vary. Borrowers generally may prepay their mortgage loans at any time without penalty.

The terms of the mortgage loans may be modified to permit, among other things, a partial release of security, which releases a portion of the mortgaged property from the lien securing the related mortgage loan. Partial releases of security may reduce the value of the remaining security and also allow the related borrower to sell the released property and generate proceeds that may be used to prepay the related mortgage loan in whole or in part.

In addition to voluntary prepayments, mortgage loans can be prepaid as a result of governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted mortgage loans. Although under certain circumstances Ginnie Mae issuers have the option to repurchase defaulted mortgage loans from the related pool underlying a Ginnie Mae MBS certificate, they are not obligated to do so. Defaulted mortgage loans that remain in pools backing Ginnie Mae MBS certificates may be subject to governmental mortgage insurance claim payments, loss mitigation arrangements or foreclosure, which could have the same effect as voluntary prepayments on the cash flow available to pay the securities.

A catastrophic weather event or other natural disaster may affect the rate of principal payments, including prepayments, on the underlying mortgage loans. Any such event may damage the related mortgaged properties that secure the mortgage loans and may lead to a general economic downturn in the affected regions, including job losses and declines in real estate values. A general economic downturn may increase the rate of defaults on the mortgage loans in such areas resulting in prepayments on the related securities due to governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted mortgage loans. Insurance payments on damaged or destroyed homes may also lead to prepayments on the underlying mortgage loans. Further, in connection with presidentially declared major disasters, Ginnie Mae may authorize optional special assistance to issuers, including expanded buyout authority which allows issuers, upon receiving written approval from Ginnie Mae, to repurchase eligible loans from the related pool underlying a Ginnie Mae MBS certificate, even if such loans are not delinquent or do not otherwise meet the standard conditions for removal or repurchase.

No assurances can be given as to the timing or frequency of any governmental mortgage insurance claim payments, issuer repurchases, loss mitigation arrangements or foreclosure proceedings with respect to defaulted mortgage loans and the resulting effect on the timing or rate of principal payments on your securities.

Rates of principal payments can reduce your yield. The yield on your securities probably will be lower than you expect if:

- you bought your securities at a premium (interest only securities, for example) and principal payments are faster than you expected, or

- you bought your securities at a discount and principal payments are slower than you expected.

In addition, if your securities are interest only securities or securities purchased at a significant premium, you could lose money on your investment if prepayments occur at a rapid rate.

Under certain circumstances, a Ginnie Mae issuer has the right to repurchase a defaulted mortgage loan from the related pool of mortgage loans underlying a particular Ginnie Mae MBS certificate, the effect of which would be comparable to a prepayment of such mortgage loan. At its option and without Ginnie Mae's prior consent, a Ginnie Mae issuer may repurchase any mortgage loan at an amount equal to par less any amounts previously advanced by such issuer in connection with its responsibilities as servicer of such mortgage loan to the extent that (i) in the case of a mortgage loan included in a pool of mortgage loans underlying a Ginnie Mae MBS certificate issued on or before December 1, 2002, such mortgage loan has been delinquent for four consecutive months, and at least one delinquent payment remains uncured or (ii) in the case of a mortgage loan included in a pool of mortgage loans underlying a Ginnie Mae MBS certificate issued on or after January 1, 2003, no payment has been made on such mortgage loan for three consecutive months. Any such repurchase will result in prepayment of the principal balance or reduction in the notional balance of the securities ultimately backed by such mortgage loan. No assurances can be given as to the timing or frequency of any such repurchases.

The level of LIBOR will affect the yields on floating rate and inverse floating rate securities. If LIBOR performs differently from what you expect, the yield on your securities may be lower than you expect. Lower levels of LIBOR will generally reduce the yield on floating rate securities; higher levels of LIBOR will generally reduce the yield on inverse floating rate securities. You should bear in mind that the timing of changes in the level of LIBOR may affect your yield: generally, the earlier a change, the greater

the effect on your yield. It is doubtful that LIBOR will remain constant.

An investment in the securities is subject to significant reinvestment risk. The rate of principal payments on your securities is uncertain. You may be unable to reinvest the payments on your securities at the same returns provided by the securities. Lower prevailing interest rates may result in an unexpected return of principal. In that interest rate climate, higher yielding reinvestment opportunities may be limited. Conversely, higher prevailing interest rates may result in slower returns of principal, and you may not be able to take advantage of higher yielding investment opportunities. The final payment on your security may occur much earlier than the final distribution date.

Support securities will be more sensitive to rates of principal payments than other securities. If principal prepayments result in principal distributions on any distribution date equal to or less than the amount needed to produce scheduled payments on the PAC classes, the related support classes will not receive any principal distribution on that date (other than from any applicable accrual amount). If prepayments result in principal distributions on any distribution date greater than the amount needed to produce scheduled payments on the PAC classes for that distribution date, this excess will be distributed to the related support classes.

The rate of payments on the underlying certificates will directly affect the rate of payments on the group 4, 5, 6, 7, 8 and 11 securities and the class BA, BC, BD, BI, BV, BZ, CI, DA, DI and VB securities. The underlying certificates will be sensitive in varying degrees to:

- the rate of payments of principal (including prepayments) of the related mortgage loans, and
- the priorities for the distribution of principal among the classes of the related underlying series.

As described in the related underlying certificate disclosure documents, the underlying certificates

included in trust asset subgroup 10M are not entitled to distributions of principal until certain classes of the related underlying series have been retired and, accordingly, distributions of principal of the related mortgage loans for extended periods may be applied to the distribution of principal of such classes of certificates having priority over these underlying certificates. Accordingly, these underlying certificates may receive no principal distributions for extended periods of time.

In addition, the principal entitlements of the underlying certificates included in trust asset groups 4 and 7 and trust asset subgroups 10E, 10F, 10G, 10H, 10I, 10J, 10K and 10L and the reductions in notional balance of the underlying certificate included in trust asset subgroup 5A on any payment date are calculated, directly or indirectly, on the basis of schedules; no assurance can be given that the underlying certificates will adhere to their schedules. Further, prepayments on the related mortgage loans may have occurred at rates faster or slower than those initially assumed.

The trust assets underlying one of the underlying certificates included in trust asset group 4 are also previously issued certificates that represent beneficial ownership interests in a separate trust. The rate of payments on these previously issued certificates backing this underlying certificate will directly affect the timing and rate of payments on the group 4 securities. You should read the related underlying certificate disclosure document, including the risk factors contained therein, to understand the payments on and related risks of the previously issued certificates backing this underlying certificate.

This supplement contains no information as to whether the underlying certificates, or the related classes with which the notional underlying certificates reduce, have adhered to any applicable principal balance schedules, whether any related supporting classes remain outstanding or whether the underlying certificates otherwise have performed as originally anticipated. Additional information as to the underlying certificates may be obtained by performing an analysis of

current principal factors of the underlying certificates in light of applicable information contained in the related underlying certificate disclosure documents.

Up to 10% of the mortgage loans underlying the group 1, 2, 4, 5, 6, 8, 9, 10 and 11 trust assets and up to 100% of the mortgage loans underlying the group 3 and 7 trust assets may be higher balance mortgage loans. Subject to special pooling parameters set forth in the Ginnie Mae Mortgage-Backed Securities Guide, qualifying federally-insured or guaranteed mortgage loans that exceed certain balance thresholds established by Ginnie Mae (“higher balance mortgage loans”) may be included in Ginnie Mae guaranteed pools. There are no historical performance data regarding the prepayment rates for higher balance mortgage loans. If the higher balance mortgage loans prepay faster or slower than expected, the weighted average lives and yields of the related securities are likely to be affected, perhaps significantly. Furthermore, higher balance mortgage loans tend to be concentrated in certain geographic areas, which may experience relatively higher rates of defaults in the event of adverse economic conditions. No assurances can be given about the prepayment experience or performance of the higher balance mortgage loans.

Changes to, or elimination of, LIBOR could adversely affect your investment in the securities. On July 27, 2017, the U.K.-based Financial Conduct Authority (the “FCA”) announced its intention to cease sustaining LIBOR after 2021. The FCA indicated that it does not intend to sustain LIBOR through using its influence or legal powers beyond that date. It is possible that the ICE Benchmark Administration (“IBA”) and the reference banks could continue to produce LIBOR on the current basis after 2021, if they are willing and able to do so, but it cannot be assured that LIBOR will survive in its current form, or at all. In the event IBA ceases to set or publish a rate for LIBOR, the Trustee shall propose a new index for approval by Ginnie Mae based upon comparable information and methodology. The Trustee shall propose an alternative index only if it receives an opinion of

counsel that the selection of such alternative index will not cause the related Trust REMIC or REMICs to lose their classification as REMICs for United States federal income tax purposes. The effect of the FCA's decision not to sustain LIBOR, or, if changes are ultimately made to LIBOR, the effect of those changes, cannot be predicted. In addition, it cannot be predicted what alternative index would be chosen should this occur. If LIBOR in its current form does not survive or if an alternative index is chosen, the market value and/or liquidity of securities with distributions or interest rates based on LIBOR could be adversely affected.

The securities may not be a suitable investment for you. The securities, especially the group 4, 5, 6, 7, 8 and 11 securities and the class BA, BC, BD, BI, BV, BZ, CI, DA, DI and VB securities and, in particular, the support, interest only, inverse floating rate, accrual and residual classes, are not suitable investments for all investors.

In addition, although the sponsor intends to make a market for the purchase and sale of the securities after their initial issuance, it has no obligation to do so. There is no assurance that a secondary market will develop, that any secondary market will continue, or that the price at which you can sell an investment in any class will enable you to realize a desired yield on that investment.

You will bear the market risks of your investment. The market values of the classes are likely to fluctuate. These fluctuations may be significant and could result in significant losses to you.

The secondary markets for mortgage-related securities have experienced periods of illiquidity

and can be expected to do so in the future. Illiquidity can have a severely adverse effect on the prices of classes that are especially sensitive to prepayment or interest rate risk or that have been structured to meet the investment requirements of limited categories of investors.

The residual securities may experience significant adverse tax timing consequences. Accordingly, you are urged to consult tax advisors and to consider the after-tax effect of ownership of a residual security and the suitability of the residual securities to your investment objectives. See *"Certain United States Federal Income Tax Consequences"* in this supplement and in the base offering circular.

You are encouraged to consult advisors regarding the financial, legal, tax and other aspects of an investment in the securities. You should not purchase the securities of any class unless you understand and are able to bear the prepayment, yield, liquidity and market risks associated with that class.

The actual characteristics of the underlying mortgage loans will affect the weighted average lives and yields of your securities.

The yield and decrement tables in this supplement are based on assumed characteristics which are likely to be different from the actual characteristics. As a result, the yields on your securities could be lower than you expected, even if the mortgage loans prepay at the constant prepayment rates set forth in the applicable table.

It is highly unlikely that the underlying mortgage loans will prepay at any of the prepayment rates assumed in this supplement, or at any constant prepayment rate.

THE TRUST ASSETS

General

The Sponsor intends to acquire the Trust Assets in privately negotiated transactions on or prior to the Closing Date and to sell them to the Trust according to the terms of a Trust Agreement between the Sponsor and the Trustee. The Sponsor will make certain representations and warranties with respect to the Trust Assets. All Trust Assets, regardless of whether the assets consist of Trust MBS or the Underlying Certificates, will evidence, directly or indirectly, Ginnie Mae Certificates.

The Trust MBS (Groups 1, 2, 3 and 9 and Subgroups 10C, 10D, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V and 10W)

The Trust MBS are either:

1. Ginnie Mae II MBS Certificates guaranteed by Ginnie Mae, or
2. Ginnie Mae Platinum Certificates backed by Ginnie Mae II MBS Certificates and guaranteed by Ginnie Mae.

Each Mortgage Loan underlying a Ginnie Mae II MBS Certificate issued prior to July 1, 2003 bears interest at a Mortgage Rate 0.50% to 1.50% per annum greater than the related Certificate Rate. Each Mortgage Loan underlying a Ginnie Mae II MBS Certificate issued on or after July 1, 2003 bears interest at a Mortgage Rate 0.25% to 0.75% per annum greater than the related Certificate Rate. Ginnie Mae receives a fee (the “Ginnie Mae Certificate Guaranty Fee”) for its guaranty of each Ginnie Mae II MBS Certificate of 0.06% per annum of the outstanding principal balance of each related Mortgage Loan. The difference between (a) the Mortgage Rate and (b) the sum of the Certificate Rate and the rate of the Ginnie Mae Certificate Guaranty Fee is used to pay the related servicers of the Mortgage Loans a monthly servicing fee.

The Underlying Certificates (Groups 4, 5, 6, 7, 8 and 11 and Subgroups 10A, 10B, 10E, 10F, 10G, 10H, 10I, 10J, 10K, 10L and 10M)

The Group 4, 5, 6, 7, 8 and 11 Trust Assets and the Subgroup 10A, 10B, 10E, 10F, 10G, 10H, 10I, 10J, 10K, 10L and 10M Trust Assets are Underlying Certificates that represent beneficial ownership interests in one or more separate trusts, the assets of which evidence direct or indirect beneficial ownership interests in certain Ginnie Mae Certificates. Each Underlying Certificate constitutes all or a portion of a class of a separate Series of certificates described in the related Underlying Certificate Disclosure Document. Each Underlying Certificate Disclosure Document may be obtained from the Information Agent as described under “Available Information” in this Supplement, except in the case of Ginnie Mae 2019-006 Class BE, for which this Supplement is the Underlying Certificate Disclosure Document. Investors are cautioned that material changes in facts and circumstances may have occurred since the date of each Underlying Certificate Disclosure Document, including changes in prepayment rates, prevailing interest rates and other economic factors, which may limit the usefulness of, and be directly contrary to the assumptions used in preparing the information included in, the offering document. *See “Underlying Certificates” in the Base Offering Circular.*

Each Underlying Certificate provides for monthly distributions and is further described in the table contained in Exhibit A to this Supplement. The table also sets forth information regarding approximate weighted average remaining terms to maturity, loan ages and mortgage rates of the Mortgage Loans underlying the related Ginnie Mae Certificates.

The Mortgage Loans

The Mortgage Loans underlying the Group 1, 2, 3 and 9 Trust Assets and the Subgroup 10C, 10D, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V and 10W Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in the Terms Sheet under “Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3 and 9 Trust Assets and the Subgroup 10C, 10D, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V and 10W Trust Assets” and the general characteristics described in the Base Offering Circular. The Mortgage Loans underlying the Underlying Certificates are expected to have, on a weighted average basis, the characteristics set forth in Exhibit A to this Supplement. The Mortgage Loans will consist of first lien, single-family, fixed rate, residential mortgage loans that are

insured or guaranteed by the Federal Housing Administration, the United States Department of Veterans Affairs, Rural Development (formerly the Rural Housing Service) or the United States Department of Housing and Urban Development (“HUD”). See *“The Ginnie Mae Certificates — General” in the Base Offering Circular*.

Specific information regarding the characteristics of the Mortgage Loans underlying the Trust MBS is not available. For purposes of this Supplement, certain assumptions have been made regarding the remaining terms to maturity, loan ages and Mortgage Rates of the Mortgage Loans underlying the Trust MBS. However, the actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Mortgage Loans are the same as the assumed characteristics. Small differences in the characteristics of the Mortgage Loans can have a significant effect on the Weighted Average Lives and yields of the Securities. See *“Risk Factors” and “Yield, Maturity and Prepayment Considerations” in this Supplement*.

The Trustee Fee

The Sponsor will contribute certain Ginnie Mae Certificates in respect of the Trustee Fee. On each Distribution Date, the Trustee will retain all principal and interest distributions received on such Ginnie Mae Certificates in payment of the Trustee Fee.

GINNIE MAE GUARANTY

The Government National Mortgage Association (“Ginnie Mae”), a wholly-owned corporate instrumentality of the United States of America within HUD, guarantees the timely payment of principal and interest on the Securities. The General Counsel of HUD has provided an opinion to the effect that Ginnie Mae has the authority to guarantee multiclass securities and that Ginnie Mae guaranties will constitute general obligations of the United States, for which the full faith and credit of the United States is pledged. See *“Ginnie Mae Guaranty” in the Base Offering Circular*.

DESCRIPTION OF THE SECURITIES

General

The description of the Securities contained in this Supplement is not complete and is subject to, and is qualified in its entirety by reference to, all of the provisions of the Trust Agreement. See *“Description of the Securities” in the Base Offering Circular*.

Form of Securities

Each Class of Securities other than the Residual Securities initially will be issued and maintained, and may be transferred only on the Fedwire Book-Entry System. Beneficial Owners of Book-Entry Securities will ordinarily hold these Securities through one or more financial intermediaries, such as banks, brokerage firms and securities clearing organizations that are eligible to maintain book-entry accounts on the Fedwire Book-Entry System. By request accompanied by the payment of a transfer fee of \$25,000 per Certificated Security to be issued, a Beneficial Owner may receive a Regular Security in certificated form.

The Residual Securities will not be issued in book-entry form but will be issued in fully registered, certificated form and may be transferred or exchanged, subject to the transfer restrictions applicable to Residual Securities set forth in the Trust Agreement, at the Corporate Trust Office of the Trustee. See *“Description of the Securities — Forms of Securities; Book-Entry Procedures” in the Base Offering Circular*.

Each Regular and MX Class (other than the Increased Minimum Denomination Classes) will be issued in minimum dollar denominations of initial principal balance of \$1,000 and integral multiples of \$1 in excess of \$1,000. The Increased Minimum Denomination Classes will be issued in minimum denominations that equal \$100,000 in initial notional balance.

Distributions

Distributions on the Securities will be made on each Distribution Date as specified under “Terms Sheet — Distribution Date” in this Supplement. On each Distribution Date for a Security, or in the case of the Certificated Securities, on the first Business Day after the related Distribution Date, the Distribution Amount will be distributed to the Holders of record as of the related Record Date. Beneficial Owners of Book-Entry Securities will receive distributions through credits to accounts maintained for their benefit on the books and records of the appropriate financial intermediaries. Holders of Certificated Securities will receive distributions by check or, subject to the restrictions set forth in the Base Offering Circular, by wire transfer. *See “Description of the Securities — Distributions” and “— Method of Distributions” in the Base Offering Circular.*

Interest Distributions

The Interest Distribution Amount will be distributed on each Distribution Date to the Holders of all Classes of Securities entitled to distributions of interest.

- Interest will be calculated on the basis of a 360-day year consisting of twelve 30-day months.
- Interest distributable (or accrued in the case of an Accrual Class) on any Class for any Distribution Date will consist of 30 days’ interest on its Class Principal Balance (or Class Notional Balance) as of the related Record Date.
- Investors can calculate the amount of interest to be distributed (or accrued in the case of an Accrual Class) on each Class of Securities for any Distribution Date by using the Class Factors published in the preceding month. *See “— Class Factors” below.*

Categories of Classes

For purposes of interest distributions, the Classes will be categorized as shown under “Interest Type” on the front cover of this Supplement and on Schedule I to this Supplement. The abbreviations used in this Supplement to describe the interest entitlements of the Classes are explained under “Class Types” in Appendix I to the Base Offering Circular.

Accrual Periods

The Accrual Period for each Regular and MX Class is set forth in the table below:

Class	Accrual Period
Fixed Rate Classes	The calendar month preceding the related Distribution Date
Floating Rate and Inverse Floating Rate Classes	From the 20th day of the month preceding the month of the related Distribution Date through the 19th day of the month of that Distribution Date

Fixed Rate Classes

Each Fixed Rate Class will bear interest at the per annum Interest Rate shown on the front cover of this Supplement or on Schedule I to this Supplement.

Floating Rate and Inverse Floating Rate Classes

The Floating Rate and Inverse Floating Rate Classes will bear interest as shown under “Terms Sheet — Interest Rates” in this Supplement. The Interest Rates for the Floating Rate and Inverse Floating Rate Classes will be based on LIBOR. The Trustee or its agent will determine LIBOR on the basis of the ICE LIBOR method, as described under “Description of the Securities — Interest Rate Indices — Determination of LIBOR — ICE LIBOR” in the Base Offering Circular. In the case of the Group 5, 6 and 8 Securities, the Trustee will use the same values of LIBOR as are used for the related Underlying Certificates.

We can provide no assurance that LIBOR for a Distribution Date accurately represents the offered rate at which one-month U.S. dollar deposits are being quoted to prime banks in the London interbank market, nor that the procedures for calculating LIBOR on the basis of the ICE LIBOR method for one-month U.S. dollar deposits will not change. Any change in LIBOR values resulting from any change in reporting or in the determination of LIBOR may cause LIBOR to fluctuate disproportionately to changes in other market lending rates.

The Trustee’s determination of LIBOR and its calculation of the Interest Rates will be final except in the case of clear error. Investors can obtain LIBOR levels and Interest Rates for the current and preceding Accrual Periods from Ginnie Mae’s Multiclass Securities e-Access located on Ginnie Mae’s website (“e-Access”) or by calling the Information Agent at (800) 234-GNMA.

Accrual Classes

Each of Classes BZ, CZ, DZ, EZ, HZ, JZ, LZ and ZC is an Accrual Class. Interest will accrue on the Accrual Classes and be distributed as described under “Terms Sheet — Accrual Classes” in this Supplement.

Principal Distributions

The Principal Distribution Amount for each Group or Subgroup, as applicable, and the Accrual Amounts will be distributed to the Holders entitled thereto as described under “Terms Sheet — Allocation of Principal” in this Supplement. Investors can calculate the amount of principal to be distributed with respect to any Distribution Date by using the Class Factors published in the preceding and current months. See “— Class Factors” below.

Categories of Classes

For purposes of principal distributions, the Classes will be categorized as shown under “Principal Type” on the front cover of this Supplement and on Schedule I to this Supplement. The abbreviations used in this Supplement to describe the principal entitlements of the Classes are explained under “Class Types” in Appendix I to the Base Offering Circular.

Notional Classes

The Notional Classes will not receive principal distributions. For convenience in describing interest distributions, the Notional Classes will have the original Class Notional Balances shown on the front cover of this Supplement and on Schedule I to this Supplement. The Class Notional Balances will be reduced as shown under “Terms Sheet — Notional Classes” in this Supplement.

Residual Securities

The Class R11 Securities will represent the beneficial ownership of the Residual Interest in the Group 11 REMIC, as described in “Certain United States Federal Income Tax Consequences” in the Base

Offering Circular. The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Group 1 through 10 Issuing REMIC and the beneficial ownership of the Residual Interest in the Group 1 through 10 Pooling REMIC, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular. The Class R11 and RR Securities have no Class Principal Balance and do not accrue interest. The Class R11 and RR Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the related Trust REMICs after the Class Principal Balance or Class Notional Balance of each Class of Regular Securities in the related Security Group or Groups has been reduced to zero. However, any remaining proceeds are not likely to be significant. The Residual Securities may not be transferred to a Plan Investor, a Non-U.S. Person or a Disqualified Organization.

Class Factors

The Trustee will calculate and make available for each Class of Securities, no later than the day preceding the Distribution Date, the factor (carried out to eight decimal places) that when multiplied by the Original Class Principal Balance (or original Class Notional Balance) of that Class, determines the Class Principal Balance (or Class Notional Balance) after giving effect to the distribution of principal to be made on the Securities (and any addition to the Class Principal Balance of an Accrual Class) or any reduction of Class Notional Balance on that Distribution Date (each, a “Class Factor”).

- The Class Factor for any Class of Securities for each month following the issuance of the Securities will reflect its remaining Class Principal Balance (or Class Notional Balance) after giving effect to any principal distribution (or addition to principal) to be made or any reduction of Class Notional Balance on the Distribution Date occurring in that month.
- The Class Factor for each Class for the month of issuance is 1.00000000.
- The Class Factors for the MX Classes and the Classes of REMIC Securities that are exchangeable for the MX Classes will be calculated assuming that the maximum possible amount of each Class is outstanding at all times, regardless of any exchanges that may occur.
- Based on the Class Factors published in the preceding and current months (and Interest Rates), investors in any Class (other than an Accrual Class) can calculate the amount of principal and interest to be distributed to that Class and investors in an Accrual Class can calculate the total amount of principal to be distributed to (or interest to be added to the Class Principal Balance of) that Class on the Distribution Date in the current month.
- Investors may obtain current Class Factors on e-Access.

See “Description of the Securities — Distributions” in the Base Offering Circular.

Termination

The Trustee, at its option, may purchase or cause the sale of the Trust Assets and thereby terminate the Trust on any Distribution Date on which the aggregate of the Class Principal Balances of the Securities is less than 1% of the aggregate Original Class Principal Balances of the Securities. On any Distribution Date upon the Trustee’s determination that the REMIC status of any Trust REMIC has been lost or that a substantial risk exists that this status will be lost for the then current taxable year, the Trustee will terminate such Trust REMIC and any related Trust REMIC and retire the related securities. For these purposes, the Trust REMICs and the Securities with corresponding numerical designations are related as follows:

<u>Trust REMICs</u>	<u>Related Securities</u>
Group 11 REMIC	Group 11 Securities
Group 1 through 10 Issuing and Pooling REMICs	Group 1 through 10 Securities

Upon any termination of the Trust (or one or more related Trust REMICs), the Holder of any related outstanding Security (other than a Residual or Notional Class Security) will be entitled to receive that Holder's allocable share of the Class Principal Balance of that Class plus any accrued and unpaid interest thereon at the applicable Interest Rate, and any Holder of any related outstanding Notional Class Security will be entitled to receive that Holder's allocable share of any accrued and unpaid interest thereon at the applicable Interest Rate. The Residual Holders will be entitled to their pro rata share of any assets remaining in the related Trust REMICs after payment in full of the amounts described in the foregoing sentence. However, any remaining assets are not likely to be significant.

With respect to Security Group 11, a Holder of all of the outstanding Regular Securities of such Security Group and the related Class of Residual Securities will have the right to purchase the related Trust Assets upon three Business Days' notice (the "Notice Period"). The purchase will be for cash in an amount equal to (A)(i) the aggregate remaining principal balance of the assets of such Security Group, but in no event less than the aggregate outstanding principal amount of the Securities of such Security Group, plus (ii) accrued interest on the Securities of such Security Group, less (B) amounts on deposit in the related Trust REMIC, for distribution on the Securities of such Security Group, plus (C) a \$5,000 termination fee payable to the Trustee in connection with such Security Group to be terminated. After the Notice Period, and upon such purchase, the Trustee will terminate the related Trust REMIC. Upon such termination, the Trustee will distribute the cash proceeds of the sale of the related Trust Assets to the Holder of the related Securities (which distribution may be offset against amounts due on the sale of such assets), will cancel the Securities of the related Security Group and cause the removal from the Book-Entry Depository Account of all Classes of the related Security Group, will cancel the related Class of Residual Securities, and will credit the remaining Trust Assets in the related Security Group to the account of the surrendering Holder. Notwithstanding anything to the contrary contained herein, no such termination will be allowed unless the Trustee and Ginnie Mae are provided, at no cost to either the Trustee or Ginnie Mae, an Opinion of Counsel, acceptable to the Trustee and Ginnie Mae, to the effect that such termination constitutes a "qualified liquidation" under the REMIC Provisions, including Section 860F(a)(4) of the Code, and such termination will not result in a disqualification of any Trust REMIC that is not terminated at such time or the imposition of any "prohibited transactions" or "contributions" tax under the REMIC Provisions on any Trust REMIC that is not terminated at such time.

Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the front cover may be exchanged for a proportionate interest in the related MX Class or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class or Classes may be exchanged for proportionate interests in the related Class or Classes of REMIC Securities and, in the case of Combinations 2 and 5, other related MX Classes. This process may occur repeatedly.

Each exchange may be effected only in proportions that result in the principal and interest entitlements of the Securities received being equal to the entitlements of the Securities surrendered.

In the case of Combinations 2 and 5, the related REMIC Securities may be exchanged for proportionate interests in various subcombinations of MX Classes. Similarly, all or a portion of these MX Classes may be exchanged for proportionate interests in the related REMIC Securities or in other subcombinations of the related MX Classes. Each subcombination may be effected only in proportions that result in the principal and interest entitlements of the Securities received being equal to the entitlements of the Securities surrendered. *See the example under "Description of the Securities — Modification and Exchange" in the Base Offering Circular.*

A Beneficial Owner proposing to effect an exchange must notify the Trustee through the Beneficial Owner's Book-Entry Depository participant. This notice must be received by the Trustee not later than

two Business Days before the proposed exchange date. The exchange date can be any Business Day other than the last Business Day of the month. The notice must contain the outstanding principal and notional balances of the Securities to be included in the exchange and the proposed exchange date. The notice is required to be delivered to the Trustee by email to GNMAExchange@wellsfargo.com or in writing at its Corporate Trust Office at 150 East 42nd Street, 40th Floor, New York, NY 10017, Attention: Trust Administration Ginnie Mae 2019-006. The Trustee may be contacted by telephone at (917) 260-1522 and by fax at (917) 260-1594.

A fee will be payable to the Trustee in connection with each exchange equal to $\frac{1}{32}$ of 1% of the outstanding principal (or notional) balance of the Securities surrendered for exchange (but not less than \$2,000 or more than \$25,000); provided, however, that no fee will be payable in respect of an interest only security unless all securities involved in the exchange are interest only securities. The fee must be paid concurrently with the exchange.

The first distribution on a REMIC Security or an MX Security received in an exchange will be made on the Distribution Date in the month following the month of the exchange. The distribution will be made to the Holder of record as of the Record Date in the month of exchange.

See “Description of the Securities — Modification and Exchange” in the Base Offering Circular.

YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

General

The prepayment experience of the Mortgage Loans will affect the Weighted Average Lives of and the yields realized by investors in the related Securities.

- The Mortgage Loans do not contain “due-on-sale” provisions, and any Mortgage Loan may be prepaid in full or in part at any time without penalty.
- The rate of payments (including prepayments and payments in respect of liquidations) on the Mortgage Loans is dependent on a variety of economic, geographic, social and other factors, including prevailing market interest rates and general economic factors.

The rate of prepayments with respect to single-family mortgage loans has fluctuated significantly in recent years. Although there is no assurance that prepayment patterns for the Mortgage Loans will conform to patterns for more traditional types of conventional fixed rate mortgage loans, generally:

- if mortgage interest rates fall materially below the Mortgage Rates on any of the Mortgage Loans (giving consideration to the cost of refinancing), the rate of prepayment of those Mortgage Loans would be expected to increase; and
- if mortgage interest rates rise materially above the Mortgage Rates on any of the Mortgage Loans, the rate of prepayment of those Mortgage Loans would be expected to decrease.

In addition, following any Mortgage Loan default and the subsequent liquidation of the underlying Mortgaged Property, the principal balance of the Mortgage Loan will be distributed through a combination of liquidation proceeds, advances from the related Ginnie Mae Issuer and, to the extent necessary, proceeds of Ginnie Mae’s guaranty of the Ginnie Mae Certificates. As a result, defaults experienced on the Mortgage Loans will accelerate the distribution of principal of the Securities.

The terms of the Mortgage Loans may be modified to permit, among other things, a partial release of security, which releases a portion of the mortgaged property from the lien securing the related Mortgage Loan. Partial releases of security may allow the related borrower to sell the released property and generate proceeds that may be used to prepay the related Mortgage Loan in whole or in part.

Under certain circumstances, the Trustee has the option to purchase the Trust Assets, thereby effecting early retirement of the Securities. See “Description of the Securities — Termination” in this Supplement.

Investors in the Group 4, 5, 6, 7, 8 and 11 Securities and the Class BA, BC, BD, BI, BV, BZ, CI, DA, DI and VB Securities are urged to review the discussion under “Risk Factors — The rate of payments on the underlying certificates will directly affect the rate of payments on the group 4, 5, 6, 7, 8 and 11 securities and the class BA, BC, BD, BI, BV, BZ, CI, DA, DI and VB securities” in this Supplement.

Accretion Directed Classes

Classes BV, CA, CB, CV, CZ, EA, HA, HE, HG, JB, JE, JG, JH, LA, LB, LF, VB and VC are Accretion Directed Classes. The related Accrual Amounts will be applied to making principal distributions on those Classes as described in this Supplement. Class LS is a Notional Class whose Class Notional Balance is determined by reference to the Class Principal Balance of Class LF.

Each of the Accretion Directed Classes has the AD designation in the suffix position, rather than the prefix position, in its class principal type because it does not have principal payment stability through the applicable pricing prepayment assumption. Each of Classes BV, CV, VB and VC will have principal payment stability only through the prepayment rate shown in the table below. The remaining Accretion Directed Classes are not listed in the table below because, although it is entitled to receive payments from the related Accrual Amount, it does not have principal payment stability through any prepayment rate significantly higher than 0% PSA, except within any applicable Effective Ranges.

The Accretion Directed Classes are entitled to principal payments in an amount equal to interest accrued on the related Accrual Classes. With respect to the Classes listed in the table below, the Weighted Average Life of each such Class cannot exceed its Weighted Average Life as shown in the following table under any prepayment scenario, even a scenario where there are no prepayments.

- Moreover, based on the Modeling Assumptions, if the related Mortgage Loans prepay at any constant rate at or below the rate for an Accretion Directed Class shown in the table below, the Class Principal Balance of such Class would be reduced to zero on, but not before, its Final Distribution Date and the Weighted Average Life of such Class would equal its maximum Weighted Average Life shown in the table below.
- However, the Weighted Average Lives of Classes BV, CV, VB and VC will be reduced, and may be reduced significantly, at prepayment speeds higher than the constant rates shown in the table below. See “Yield, Maturity and Prepayment Considerations —Decrement Tables” in this Supplement.

Accretion Directed Classes

<u>Classes</u>	<u>Maximum Weighted Average Life (in Years)⁽¹⁾</u>	<u>Final Distribution Date</u>	<u>Prepayment Rate at or below</u>
BV	6.0	April 2030	189% PSA
CV	6.0	April 2030	189% PSA
VB	16.0	May 2039	64% PSA
VC	16.0	May 2039	64% PSA

⁽¹⁾ The maximum Weighted Average Life for each Class shown in this table is based on the Modeling Assumptions and the assumption that the related Mortgage Loans prepay at any constant rate at or below the rate shown in the table for such Class.

The Mortgage Loans will have characteristics that differ from those of the Modeling Assumptions. Therefore, even if the related Mortgage Loans prepay at a rate at or somewhat below the “at or below” rate shown for any Accretion Directed Class, the Class Principal Balance of that Class could be reduced to zero before its Final Distribution Date, and its Weighted Average Life could be shortened.

Securities that Receive Principal on the Basis of Schedules

As described in this Supplement, each PAC Class will receive principal payments in accordance with a schedule calculated on the basis of, among other things, a Structuring Range. See “*Terms Sheet — Scheduled Principal Balances*.” However, whether any such Class will adhere to its schedule and receive “Scheduled Payments” on a Distribution Date will largely depend on the level of prepayments experienced by the related Mortgage Loans.

Each PAC Class exhibits an Effective Range of constant prepayment rates at which such Class will receive Scheduled Payments. That range may differ from the Structuring Range used to create the related principal balance schedule. Based on the Modeling Assumptions, the *initial* Effective Ranges for the PAC Classes are as follows:

Security Group	Class	Initial Effective Ranges
PAC I Classes		
1	PA and PL (in the aggregate)	150% PSA through 245% PSA
2	JA and JK (in the aggregate)	115% PSA through 230% PSA
PAC II Classes		
1	HD	173% PSA through 247% PSA
2	JL and JM (in the aggregate)	158% PSA through 230% PSA
PAC Classes		
7	G	165% PSA through 435% PSA
9	LA, LB and LF (in the aggregate)	175% PSA through 265% PSA
10	CA and CB (in the aggregate)	250% PSA through 400% PSA

- The principal payment of the PAC I Classes will be supported by the related PAC II and Support Classes.
- The principal payment of the PAC II Classes will be supported by the related Support Classes.
- The principal payment of the PAC Classes will be supported by the related Support Classes.

If all of the Classes supporting a given Class are retired before the Class being supported is retired, the outstanding Class will no longer have an Effective Range and will become more sensitive to prepayments on the related Mortgage Loans.

There is no assurance that the related Mortgage Loans will have the characteristics assumed in the Modeling Assumptions, which were used to determine the initial Effective Ranges. If the initial Effective Ranges were calculated using the actual characteristics of the related Mortgage Loans, the initial Effective Ranges could differ from those shown in the above table. Therefore, even if the Mortgage Loans were to prepay at a constant rate within the initial Effective Range shown for any Class in the above table, that Class could fail to receive Scheduled Payments.

Moreover, the related Mortgage Loans will not prepay at any *constant* rate. Non-constant prepayment rates can cause any PAC Class not to receive Scheduled Payments, even if prepayment rates

remain within the initial Effective Range for that Class. Further, the Effective Range for any PAC Class can narrow, shift over time or cease to exist depending on the actual characteristics of the related Mortgage Loans.

If the related Mortgage Loans prepay at rates that are generally below the Effective Range for any PAC Class, the amount available to pay principal on the Securities may be insufficient to produce Scheduled Payments on such PAC Class, and its Weighted Average Life may be extended, perhaps significantly.

If the related Mortgage Loans prepay at rates that are generally above the Effective Range for any PAC Class, its supporting Class or Classes may be retired earlier than that PAC Class, and its Weighted Average Life may be shortened, perhaps significantly.

Assumability

Each Mortgage Loan may be assumed, subject to HUD review and approval, upon the sale of the related Mortgaged Property. See *“Yield, Maturity and Prepayment Considerations — Assumability of Government Loans” in the Base Offering Circular.*

Final Distribution Date

The Final Distribution Date for each Class, which is set forth on the front cover of this Supplement or on Schedule I to this Supplement, is the latest date on which the related Class Principal Balance or Class Notional Balance will be reduced to zero.

- The actual retirement of any Class may occur earlier than its Final Distribution Date.
- According to the terms of the Ginnie Mae Guaranty, Ginnie Mae will guarantee payment in full of the Class Principal Balance of each Class of Securities no later than its Final Distribution Date.

Modeling Assumptions

The tables that follow have been prepared on the basis of the characteristics of the Underlying Certificates, the priorities of distributions on the Underlying Certificates and the following assumptions (the “Modeling Assumptions”), among others:

1. The Mortgage Loans underlying the Group 1, 2, 3 and 9 Trust Assets and the Subgroup 10C, 10D, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V and 10W Trust Assets have the assumed characteristics shown under “Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3 and 9 Trust Assets and the Subgroup 10C, 10D, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V and 10W Trust Assets” in the Terms Sheet, except in the case of information set forth under the 0% PSA Prepayment Assumption Rate, for which each Mortgage Loan underlying a Group 1, 2, 3 or 9 Trust Asset or a Subgroup 10C, 10D, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V or 10W Trust Asset is assumed to have an original and a remaining term to maturity of 360 months and a Mortgage Rate of 1.50% per annum higher than the related Certificate Rate.

2. The Mortgage Loans prepay at the constant percentages of PSA (described below) shown in the related table.

3. Distributions on the Securities are always received on the 20th day of the month, whether or not a Business Day, commencing in February 2019.

4. A termination of the Trust, any Trust REMIC or the Underlying Trusts does not occur.

5. The Closing Date for the Securities is January 30, 2019.

6. No expenses or fees are paid by the Trust other than the Trustee Fee, which is paid as described under “The Trust Assets — The Trustee Fee” in this Supplement.

7. Distributions on the Underlying Certificates are made as described in the related Underlying Certificate Disclosure Documents.

8. Each Class is held from the Closing Date and is not exchanged in whole or in part.

When reading the tables and the related text, investors should bear in mind that the Modeling Assumptions, like any other stated assumptions, are unlikely to be entirely consistent with actual experience.

- For example, most of the Mortgage Loans will not have the characteristics assumed, many Distribution Dates will occur on a Business Day after 20th day of the month and the Trustee may cause a termination of the Trust as described under “Description of the Securities — Termination” in this Supplement.
- In addition, distributions on the Securities are based on Certificate Factors and Calculated Certificate Factors, as applicable, which may not reflect actual receipts on the Trust Assets.

See “Description of the Securities — Distributions” in the Base Offering Circular.

Decrement Tables

Prepayments of mortgage loans are commonly measured by a prepayment standard or model. The model used in this Supplement, Prepayment Speed Assumption (“PSA”), is the standard prepayment assumption model of The Securities Industry and Financial Markets Association. PSA represents an assumed rate of prepayment each month relative to the then outstanding principal balance of the Mortgage Loans to which the model is applied. *See “Yield, Maturity and Prepayment Considerations — Standard Prepayment Assumption Models” in the Base Offering Circular.*

The decrement tables set forth below are based on the assumption that the Mortgage Loans prepay at the indicated percentages of PSA (the “PSA Prepayment Assumption Rates”). As used in the tables, each of the PSA Prepayment Assumption Rates reflects a percentage of the 100% PSA assumed prepayment rate. **The Mortgage Loans will not prepay at any of the PSA Prepayment Assumption Rates and the timing of changes in the rate of prepayments actually experienced on the Mortgage Loans will not follow the pattern described for the PSA assumption.**

The decrement tables set forth below illustrate the percentage of the Original Class Principal Balance (or, in the case of a Notional Class, the original Class Notional Balance) that would remain outstanding following the distribution made each specified month for each Regular or MX Class, based on the assumption that the related Mortgage Loans prepay at the PSA Prepayment Assumption Rates. The percentages set forth in the following decrement tables have been rounded to the nearest whole percentage (including rounding down to zero).

The decrement tables also indicate the Weighted Average Life of each Class under each PSA Prepayment Assumption Rate. The Weighted Average Life of each Class is calculated by:

- (a) multiplying the net reduction, if any, of the Class Principal Balance (or the net reduction of the Class Notional Balance, in the case of a Notional Class) from one Distribution Date to the next Distribution Date by the number of years from the date of issuance thereof to the related Distribution Date,
- (b) summing the results, and

- (c) dividing the sum by the aggregate amount of the assumed net reductions in principal balance or notional balance, as applicable, referred to in clause (a).

The information shown for each Notional Class is for illustrative purposes only, as a Notional Class is not entitled to distributions of principal and has no Weighted Average Life. The Weighted Average Life shown for each Notional Class has been calculated on the assumption that a reduction in the Class Notional Balance thereof is a distribution of principal.

The Weighted Average Lives are likely to vary, perhaps significantly, from those set forth in the tables below due to the differences between the actual characteristics of the Mortgage Loans underlying the related Trust Assets and the Modeling Assumptions.

Percentages of Original Class Principal (or Class Notional) Balances and Weighted Average Lives

Security Group 1 PSA Prepayment Assumption Rates															
Distribution Date	Classes FA and SA					Classes HA, HE and HG					Class HD				
	0%	150%	210%	245%	500%	0%	150%	210%	245%	500%	0%	150%	210%	245%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	99	96	95	94	89	100	100	94	89	48	100	100	90	90	90
January 2021	97	88	85	83	69	100	100	82	65	0	100	100	69	69	0
January 2022	96	79	73	69	47	100	100	69	40	0	100	100	45	45	0
January 2023	95	70	62	58	33	100	100	59	22	0	100	100	26	26	0
January 2024	93	63	53	49	22	100	100	52	11	0	100	100	13	13	0
January 2025	91	56	46	41	15	100	100	48	4	0	100	100	3	3	0
January 2026	90	50	39	34	10	100	100	46	1	0	100	100	0	0	0
January 2027	88	44	33	28	7	100	100	44	0	0	100	100	0	0	0
January 2028	86	39	28	23	5	100	100	42	0	0	100	93	0	0	0
January 2029	84	35	24	19	3	100	100	40	0	0	100	81	0	0	0
January 2030	81	31	20	16	2	100	100	37	0	0	100	64	0	0	0
January 2031	79	27	17	13	2	100	100	34	0	0	100	43	0	0	0
January 2032	77	24	15	11	1	100	100	31	0	0	100	21	0	0	0
January 2033	74	21	12	9	1	100	99	28	0	0	100	0	0	0	0
January 2034	71	18	10	7	0	100	90	25	0	0	100	0	0	0	0
January 2035	68	16	8	6	0	100	82	22	0	0	100	0	0	0	0
January 2036	65	13	7	5	0	100	73	19	0	0	100	0	0	0	0
January 2037	61	11	6	4	0	100	65	17	0	0	100	0	0	0	0
January 2038	58	10	5	3	0	100	57	14	0	0	100	0	0	0	0
January 2039	54	8	4	2	0	100	49	12	0	0	100	0	0	0	0
January 2040	50	7	3	2	0	100	42	10	0	0	100	0	0	0	0
January 2041	46	6	2	1	0	100	36	8	0	0	100	0	0	0	0
January 2042	41	5	2	1	0	100	30	7	0	0	100	0	0	0	0
January 2043	36	4	1	1	0	100	24	5	0	0	100	0	0	0	0
January 2044	31	3	1	1	0	100	19	4	0	0	100	0	0	0	0
January 2045	26	2	1	0	0	100	14	3	0	0	100	0	0	0	0
January 2046	20	1	0	0	0	100	10	2	0	0	100	0	0	0	0
January 2047	14	1	0	0	0	100	6	1	0	0	37	0	0	0	0
January 2048	7	0	0	0	0	59	2	0	0	0	0	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.3	8.8	7.1	6.3	3.6	29.2	20.5	9.1	2.8	0.9	27.9	11.5	3.0	3.0	1.5

PSA Prepayment Assumption Rates															
Distribution Date	Class HZ					Class PA					Class PL				
	0%	150%	210%	245%	500%	0%	150%	210%	245%	500%	0%	150%	210%	245%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	104	104	104	104	104	98	95	95	95	95	100	100	100	100	100
January 2021	107	107	107	107	0	97	85	85	85	81	100	100	100	100	100
January 2022	111	111	111	111	0	95	74	74	74	55	100	100	100	100	100
January 2023	115	115	115	115	0	93	64	64	64	37	100	100	100	100	100
January 2024	119	119	119	119	0	91	54	54	54	24	100	100	100	100	100
January 2025	123	123	123	123	0	89	46	46	46	16	100	100	100	100	100
January 2026	128	128	128	128	0	87	38	38	38	10	100	100	100	100	100
January 2027	132	132	132	16	0	85	31	31	31	6	100	100	100	100	100
January 2028	137	137	137	16	0	83	25	25	25	3	100	100	100	100	100
January 2029	142	142	142	16	0	80	21	21	21	1	100	100	100	100	100
January 2030	147	147	147	16	0	77	16	16	16	0	100	100	100	100	85
January 2031	152	152	152	16	0	74	13	13	13	0	100	100	100	100	58
January 2032	158	158	158	16	0	71	10	10	10	0	100	100	100	100	39
January 2033	163	163	163	16	0	68	8	8	8	0	100	100	100	100	26
January 2034	169	169	169	16	0	64	6	6	6	0	100	100	100	100	18
January 2035	175	175	175	16	0	61	4	4	4	0	100	100	100	100	12
January 2036	181	181	181	16	0	57	3	3	3	0	100	100	100	100	8
January 2037	188	188	188	16	0	53	1	1	1	0	100	100	100	100	5
January 2038	194	194	194	16	0	48	1	1	1	0	100	100	100	100	3
January 2039	201	201	201	16	0	43	0	0	0	0	100	92	92	92	2
January 2040	208	208	208	16	0	38	0	0	0	0	100	72	72	72	1
January 2041	216	216	216	16	0	33	0	0	0	0	100	56	56	56	1
January 2042	223	223	223	16	0	27	0	0	0	0	100	42	42	42	1
January 2043	231	231	231	16	0	22	0	0	0	0	100	31	31	31	0
January 2044	240	240	240	16	0	15	0	0	0	0	100	23	23	23	0
January 2045	248	248	248	16	0	8	0	0	0	0	100	16	16	16	0
January 2046	257	257	257	16	0	1	0	0	0	0	100	10	10	10	0
January 2047	266	266	266	16	0	0	0	0	0	0	6	6	6	6	0
January 2048	276	276	276	16	0	0	0	0	0	0	2	2	2	2	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	30.0	29.7	29.7	10.3	1.6	17.1	6.5	6.5	6.5	3.8	27.5	23.0	23.0	23.0	13.1

Security Group 2 PSA Prepayment Assumption Rates																				
Distribution Date	Classes FJ and SJ					Class JA					Class JB					Classes JD, JL and JM				
	0%	115%	200%	230%	400%	0%	115%	200%	230%	400%	0%	115%	200%	230%	400%	0%	115%	200%	230%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	99	97	95	95	92	98	95	95	95	95	100	100	100	100	100	100	100	92	92	92
January 2021	97	91	86	84	75	96	86	86	86	86	100	100	100	100	0	100	100	75	75	70
January 2022	96	83	74	72	57	94	75	75	75	68	100	100	100	100	0	100	100	53	53	0
January 2023	95	76	64	61	42	92	64	64	64	47	100	100	100	100	0	100	100	36	36	0
January 2024	93	69	56	51	31	90	55	55	55	31	100	100	100	100	0	100	100	22	22	0
January 2025	91	63	48	43	23	87	46	46	46	19	100	100	100	100	0	100	100	12	12	0
January 2026	90	57	41	36	17	85	37	37	37	10	100	100	100	21	0	100	100	5	5	0
January 2027	88	52	35	31	13	82	30	30	30	4	100	100	100	0	0	100	100	1	1	0
January 2028	86	47	30	26	10	79	23	23	23	0	100	100	100	0	0	100	100	0	0	0
January 2029	84	43	26	22	7	76	16	16	16	0	100	100	100	0	0	100	96	0	0	0
January 2030	81	39	22	18	5	73	11	11	11	0	100	100	100	0	0	100	89	0	0	0
January 2031	79	35	19	15	4	69	7	7	7	0	100	100	100	0	0	100	80	0	0	0
January 2032	77	31	16	12	3	66	3	3	3	0	100	100	100	0	0	100	69	0	0	0
January 2033	74	28	13	10	2	62	0	0	0	0	100	100	100	0	0	100	57	0	0	0
January 2034	71	25	11	9	1	57	0	0	0	0	100	100	100	0	0	100	44	0	0	0
January 2035	68	22	10	7	1	53	0	0	0	0	100	100	100	0	0	100	30	0	0	0
January 2036	65	19	8	6	1	48	0	0	0	0	100	100	100	0	0	100	16	0	0	0
January 2037	61	17	7	5	1	43	0	0	0	0	100	100	100	0	0	100	2	0	0	0
January 2038	58	15	5	4	0	38	0	0	0	0	100	100	100	0	0	100	0	0	0	0
January 2039	54	13	4	3	0	32	0	0	0	0	100	100	100	0	0	100	0	0	0	0
January 2040	50	11	4	2	0	26	0	0	0	0	100	100	100	0	0	100	0	0	0	0
January 2041	46	9	3	2	0	20	0	0	0	0	100	100	100	0	0	100	0	0	0	0
January 2042	41	8	2	1	0	13	0	0	0	0	100	100	100	0	0	100	0	0	0	0
January 2043	36	6	2	1	0	6	0	0	0	0	100	100	100	0	0	100	0	0	0	0
January 2044	31	5	1	1	0	0	0	0	0	0	100	100	89	0	0	100	0	0	0	0
January 2045	26	4	1	1	0	0	0	0	0	0	100	100	65	0	0	100	0	0	0	0
January 2046	20	3	1	0	0	0	0	0	0	0	100	100	44	0	0	76	0	0	0	0
January 2047	14	2	0	0	0	0	0	0	0	0	100	100	26	0	0	11	0	0	0	0
January 2048	7	1	0	0	0	0	0	0	0	0	100	100	10	0	0	0	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	19.3	10.2	7.4	6.7	4.4	15.4	6.0	6.0	6.0	4.1	30.0	29.5	26.9	6.6	1.9	27.4	14.3	3.5	3.5	2.0

PSA Prepayment Assumption Rates															
Distribution Date	Classes JE, JG and JH					Class JK					Class JZ				
	0%	115%	200%	230%	400%	0%	115%	200%	230%	400%	0%	115%	200%	230%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	100	100	94	90	65	100	100	100	100	100	104	104	104	104	104
January 2021	100	100	81	67	0	100	100	100	100	100	107	107	107	107	0
January 2022	100	100	65	41	0	100	100	100	100	100	111	111	111	111	0
January 2023	100	100	53	21	0	100	100	100	100	100	115	115	115	115	0
January 2024	100	100	45	8	0	100	100	100	100	100	119	119	119	119	0
January 2025	100	100	39	0	0	100	100	100	100	100	123	123	123	123	0
January 2026	100	100	36	0	0	100	100	100	100	100	128	128	128	128	0
January 2027	100	100	35	0	0	100	100	100	100	100	132	132	132	90	0
January 2028	100	100	34	0	0	100	100	100	100	92	137	137	137	0	0
January 2029	100	100	32	0	0	100	100	100	100	68	142	142	142	0	0
January 2030	100	100	30	0	0	100	100	100	100	50	147	147	147	0	0
January 2031	100	100	27	0	0	100	100	100	100	37	152	152	152	0	0
January 2032	100	100	25	0	0	100	100	100	100	27	158	158	158	0	0
January 2033	100	100	22	0	0	100	100	100	100	20	163	163	163	0	0
January 2034	100	100	19	0	0	100	82	82	82	14	169	169	169	0	0
January 2035	100	100	17	0	0	100	68	68	68	10	175	175	175	0	0
January 2036	100	100	14	0	0	100	55	55	55	7	181	181	181	0	0
January 2037	100	100	12	0	0	100	45	45	45	5	188	188	188	0	0
January 2038	100	90	10	0	0	100	36	36	36	4	194	194	194	0	0
January 2039	100	79	7	0	0	100	29	29	29	3	201	201	201	0	0
January 2040	100	69	5	0	0	100	23	23	23	2	208	208	208	0	0
January 2041	100	59	4	0	0	100	18	18	18	1	216	216	216	0	0
January 2042	100	49	2	0	0	100	14	14	14	1	223	223	223	0	0
January 2043	100	40	1	0	0	100	10	10	10	1	231	231	231	0	0
January 2044	100	31	0	0	0	91	8	8	8	0	240	240	240	0	0
January 2045	100	23	0	0	0	38	5	5	5	0	248	248	248	0	0
January 2046	100	15	0	0	0	3	3	3	3	0	257	257	257	0	0
January 2047	100	7	0	0	0	2	2	2	2	0	266	266	266	0	0
January 2048	54	1	0	0	0	1	1	1	1	0	276	276	276	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	29.1	23.1	7.6	2.8	1.2	25.8	18.5	18.5	18.5	12.0	30.0	29.8	29.8	8.3	2.0

**Security Group 3
PSA Prepayment Assumption Rates**

Distribution Date	Class EA					Class EZ				
	0%	300%	523%	800%	1100%	0%	300%	523%	800%	1100%
Initial Percent	100	100	100	100	100	100	100	100	100	100
January 2020	98	92	87	82	76	104	104	104	104	104
January 2021	96	76	63	48	33	108	108	108	108	108
January 2022	93	58	37	16	0	113	113	113	113	112
January 2023	91	42	19	0	0	117	117	117	113	37
January 2024	88	30	6	0	0	122	122	122	58	12
January 2025	85	20	0	0	0	127	127	109	29	4
January 2026	82	11	0	0	0	132	132	73	15	1
January 2027	79	4	0	0	0	138	138	49	8	0
January 2028	76	0	0	0	0	143	131	33	4	0
January 2029	73	0	0	0	0	149	104	22	2	0
January 2030	69	0	0	0	0	155	83	14	1	0
January 2031	65	0	0	0	0	161	66	10	0	0
January 2032	61	0	0	0	0	168	52	6	0	0
January 2033	57	0	0	0	0	175	41	4	0	0
January 2034	53	0	0	0	0	182	32	3	0	0
January 2035	48	0	0	0	0	189	25	2	0	0
January 2036	43	0	0	0	0	197	19	1	0	0
January 2037	38	0	0	0	0	205	15	1	0	0
January 2038	33	0	0	0	0	214	11	0	0	0
January 2039	27	0	0	0	0	222	9	0	0	0
January 2040	21	0	0	0	0	231	6	0	0	0
January 2041	15	0	0	0	0	241	5	0	0	0
January 2042	8	0	0	0	0	251	4	0	0	0
January 2043	1	0	0	0	0	261	3	0	0	0
January 2044	0	0	0	0	0	228	2	0	0	0
January 2045	0	0	0	0	0	187	1	0	0	0
January 2046	0	0	0	0	0	144	1	0	0	0
January 2047	0	0	0	0	0	99	0	0	0	0
January 2048	0	0	0	0	0	51	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0
Weighted Average										
Life (years)	14.5	3.8	2.6	2.0	1.6	27.2	12.8	8.1	5.4	3.9

**Security Group 4
PSA Prepayment Assumption Rates**

Distribution Date	Classes EB and EI				
	0%	150%	266%	400%	600%
Initial Percent	100	100	100	100	100
January 2020	97	88	82	74	62
January 2021	94	78	66	54	38
January 2022	91	68	54	40	24
January 2023	87	60	43	29	15
January 2024	83	52	35	21	9
January 2025	80	45	28	15	5
January 2026	76	39	22	11	3
January 2027	71	33	18	8	2
January 2028	67	29	14	6	1
January 2029	62	24	11	4	1
January 2030	57	20	8	3	0
January 2031	51	17	6	2	0
January 2032	46	13	5	1	0
January 2033	40	11	3	1	0
January 2034	34	8	2	1	0
January 2035	27	6	2	0	0
January 2036	20	4	1	0	0
January 2037	13	2	1	0	0
January 2038	6	1	0	0	0
January 2039	0	0	0	0	0
January 2040	0	0	0	0	0
Weighted Average					
Life (years)	11.5	6.5	4.5	3.2	2.1

Security Group 5 PSA Prepayment Assumption Rates															
Distribution Date	Class AT					Class BS					Class BT				
	0%	300%	520%	800%	1,100%	0%	300%	520%	800%	1,100%	0%	300%	520%	800%	1,100%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	98	80	67	51	33	98	82	71	56	40	98	80	67	51	33
January 2021	96	64	45	26	11	96	67	49	30	16	96	64	45	26	11
January 2022	93	51	30	13	4	94	54	33	16	5	94	52	30	13	4
January 2023	91	41	20	7	1	91	43	22	8	2	91	41	20	7	1
January 2024	88	33	14	3	0	89	34	15	4	1	89	33	14	3	0
January 2025	85	26	9	2	0	86	27	10	2	0	86	26	9	2	0
January 2026	82	21	6	1	0	83	22	7	1	0	83	21	6	1	0
January 2027	79	16	4	0	0	81	17	4	1	0	80	16	4	0	0
January 2028	76	13	3	0	0	78	14	3	0	0	77	13	3	0	0
January 2029	73	10	2	0	0	75	11	2	0	0	74	10	2	0	0
January 2030	69	8	1	0	0	71	8	1	0	0	71	8	1	0	0
January 2031	65	6	1	0	0	68	7	1	0	0	67	6	1	0	0
January 2032	62	5	0	0	0	64	5	1	0	0	64	5	0	0	0
January 2033	57	4	0	0	0	60	4	0	0	0	60	4	0	0	0
January 2034	53	3	0	0	0	56	3	0	0	0	56	3	0	0	0
January 2035	49	2	0	0	0	52	2	0	0	0	51	2	0	0	0
January 2036	44	2	0	0	0	48	2	0	0	0	47	2	0	0	0
January 2037	39	1	0	0	0	43	1	0	0	0	42	1	0	0	0
January 2038	34	1	0	0	0	38	1	0	0	0	37	1	0	0	0
January 2039	28	1	0	0	0	33	1	0	0	0	32	1	0	0	0
January 2040	23	0	0	0	0	28	0	0	0	0	27	0	0	0	0
January 2041	17	0	0	0	0	22	0	0	0	0	21	0	0	0	0
January 2042	11	0	0	0	0	16	0	0	0	0	15	0	0	0	0
January 2043	4	0	0	0	0	11	0	0	0	0	9	0	0	0	0
January 2044	1	0	0	0	0	6	0	0	0	0	4	0	0	0	0
January 2045	0	0	0	0	0	4	0	0	0	0	1	0	0	0	0
January 2046	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
January 2047	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
January 2048	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	14.7	4.4	2.5	1.5	0.9	15.5	4.5	2.7	1.6	1.1	15.2	4.4	2.5	1.5	0.9

Security Group 6 PSA Prepayment Assumption Rates										
Distribution Date	Class CS					Class CT				
	0%	100%	223%	400%	500%	0%	100%	223%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100
January 2020	98	92	85	74	69	98	92	85	74	69
January 2021	96	85	72	55	47	96	85	72	55	47
January 2022	94	78	61	41	32	94	78	61	41	32
January 2023	91	71	51	30	22	91	71	51	30	22
January 2024	89	65	43	22	15	89	65	43	22	15
January 2025	86	59	36	17	10	86	59	36	17	10
January 2026	83	54	31	12	7	83	54	31	12	7
January 2027	81	49	26	9	5	81	49	26	9	5
January 2028	78	45	21	7	3	78	45	21	7	3
January 2029	75	40	18	5	2	75	40	18	5	2
January 2030	71	36	15	3	1	71	36	15	3	1
January 2031	68	32	12	3	1	68	32	12	3	1
January 2032	65	29	10	2	1	65	29	10	2	1
January 2033	61	26	8	1	0	61	26	8	1	0
January 2034	57	23	7	1	0	57	23	7	1	0
January 2035	53	20	5	1	0	53	20	5	1	0
January 2036	49	17	4	0	0	49	17	4	0	0
January 2037	45	15	3	0	0	45	15	3	0	0
January 2038	40	12	3	0	0	40	12	3	0	0
January 2039	35	10	2	0	0	35	10	2	0	0
January 2040	30	8	1	0	0	31	8	1	0	0
January 2041	25	6	1	0	0	25	6	1	0	0
January 2042	20	5	1	0	0	20	5	1	0	0
January 2043	14	3	0	0	0	14	3	0	0	0
January 2044	8	2	0	0	0	8	2	0	0	0
January 2045	3	1	0	0	0	2	0	0	0	0
January 2046	0	0	0	0	0	0	0	0	0	0
January 2047	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	15.7	9.3	5.7	3.3	2.6	15.7	9.3	5.7	3.3	2.6

**Security Group 7
PSA Prepayment Assumption Rates**

Distribution Date	Classes G, GA, GB, GC, GD, GE, GH, GI, GJ, GK and GL					Class GY				
	0%	165%	300%	435%	600%	0%	165%	300%	435%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100
January 2020	97	93	93	93	93	100	100	99	99	99
January 2021	94	81	81	81	81	100	99	99	99	96
January 2022	90	66	66	66	60	100	99	99	46	0
January 2023	86	52	52	52	37	100	99	89	15	0
January 2024	83	40	40	40	23	100	99	78	2	0
January 2025	79	29	29	29	14	100	98	74	0	0
January 2026	74	21	21	21	8	100	93	68	0	0
January 2027	70	14	14	14	5	100	84	61	0	0
January 2028	65	10	10	10	2	100	75	53	0	0
January 2029	60	7	7	7	1	100	66	46	0	0
January 2030	55	4	4	4	0	100	57	39	0	0
January 2031	50	3	3	3	0	100	49	32	0	0
January 2032	44	1	1	1	0	100	41	27	0	0
January 2033	38	0	0	0	0	100	35	22	0	0
January 2034	32	0	0	0	0	100	28	17	0	0
January 2035	25	0	0	0	0	100	21	11	0	0
January 2036	19	0	0	0	0	100	15	7	0	0
January 2037	11	0	0	0	0	100	10	3	0	0
January 2038	4	0	0	0	0	100	6	1	0	0
January 2039	0	0	0	0	0	85	3	0	0	0
January 2040	0	0	0	0	0	54	0	0	0	0
January 2041	0	0	0	0	0	21	0	0	0	0
January 2042	0	0	0	0	0	0	0	0	0	0
January 2043	0	0	0	0	0	0	0	0	0	0
January 2044	0	0	0	0	0	0	0	0	0	0
January 2045	0	0	0	0	0	0	0	0	0	0
January 2046	0	0	0	0	0	0	0	0	0	0
January 2047	0	0	0	0	0	0	0	0	0	0
January 2048	0	0	0	0	0	0	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.3	4.7	4.7	4.7	3.8	21.1	12.3	9.8	3.1	2.1

**Security Group 8
PSA Prepayment Assumption Rates**

Distribution Date	Class AF				
	0%	100%	220%	400%	500%
Initial Percent	100	100	100	100	100
January 2020	98	97	95	92	90
January 2021	97	91	85	75	70
January 2022	95	84	73	57	49
January 2023	93	78	62	42	33
January 2024	92	72	53	31	23
January 2025	90	66	45	23	16
January 2026	88	61	38	17	11
January 2027	85	56	32	13	7
January 2028	83	51	27	10	5
January 2029	81	47	23	7	3
January 2030	78	42	19	5	2
January 2031	76	39	16	4	2
January 2032	73	35	14	3	1
January 2033	70	31	11	2	1
January 2034	67	28	9	1	0
January 2035	64	25	8	1	0
January 2036	61	23	6	1	0
January 2037	57	20	5	1	0
January 2038	53	18	4	0	0
January 2039	50	15	3	0	0
January 2040	46	13	3	0	0
January 2041	41	11	2	0	0
January 2042	37	9	2	0	0
January 2043	32	8	1	0	0
January 2044	27	6	1	0	0
January 2045	22	5	1	0	0
January 2046	17	3	0	0	0
January 2047	11	2	0	0	0
January 2048	5	1	0	0	0
January 2049	0	0	0	0	0
Weighted Average Life (years)	18.4	10.9	6.9	4.4	3.7

Security Group 9 PSA Prepayment Assumption Rates															
Distribution Date	Classes FL and SL					Class LA					Class LB				
	0%	175%	220%	265%	500%	0%	175%	220%	265%	500%	0%	175%	220%	265%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	99	96	95	94	90	98	94	94	94	94	100	100	100	100	100
January 2021	97	87	85	82	70	96	85	85	85	78	100	100	100	100	100
January 2022	96	77	73	68	49	94	72	72	72	54	100	100	100	100	100
January 2023	95	68	62	56	33	92	61	61	61	37	100	100	100	100	100
January 2024	93	59	53	47	23	89	51	51	51	25	100	100	100	100	100
January 2025	91	52	45	38	16	87	42	42	42	17	100	100	100	100	100
January 2026	90	45	38	31	11	84	34	34	34	11	100	100	100	100	100
January 2027	88	40	32	26	7	81	28	28	28	7	100	100	100	100	100
January 2028	86	35	27	21	5	78	23	23	23	5	100	100	100	100	100
January 2029	84	30	23	17	3	75	18	18	18	3	100	100	100	100	100
January 2030	81	26	19	14	2	72	15	15	15	1	100	100	100	100	100
January 2031	79	23	16	11	2	68	12	12	12	1	100	100	100	100	100
January 2032	77	19	14	9	1	65	9	9	9	0	100	100	100	100	100
January 2033	74	17	11	7	1	61	7	7	7	0	100	100	100	100	69
January 2034	71	14	9	6	0	57	6	6	6	0	100	100	100	100	46
January 2035	68	12	8	5	0	52	4	4	4	0	100	100	100	100	31
January 2036	65	10	6	4	0	48	3	3	3	0	100	100	100	100	21
January 2037	61	9	5	3	0	43	2	2	2	0	100	100	100	100	14
January 2038	58	7	4	2	0	38	2	2	2	0	100	100	100	100	9
January 2039	54	6	3	2	0	32	1	1	1	0	100	100	100	100	6
January 2040	50	5	3	1	0	26	0	0	0	0	100	100	100	100	4
January 2041	46	4	2	1	0	20	0	0	0	0	100	100	100	100	2
January 2042	41	3	2	1	0	14	0	0	0	0	100	81	81	81	1
January 2043	36	3	1	1	0	7	0	0	0	0	100	59	59	59	1
January 2044	31	2	1	0	0	0	0	0	0	0	50	42	42	42	1
January 2045	26	1	1	0	0	0	0	0	0	0	29	29	29	29	0
January 2046	20	1	0	0	0	0	0	0	0	0	18	18	18	18	0
January 2047	14	1	0	0	0	0	0	0	0	0	10	10	10	10	0
January 2048	7	0	0	0	0	0	0	0	0	0	4	4	4	4	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.3	8.0	6.9	6.0	3.7	15.3	6.2	6.2	6.2	3.8	25.8	24.9	24.9	24.9	15.5

PSA Prepayment Assumption Rates										
Distribution Date	Classes LF and LS					Class LZ				
	0%	175%	220%	265%	500%	0%	175%	220%	265%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100
January 2020	98	95	95	95	95	104	104	97	90	52
January 2021	96	85	85	85	79	109	109	86	63	0
January 2022	94	73	73	73	54	114	114	72	33	0
January 2023	92	62	62	62	37	118	118	64	13	0
January 2024	89	52	52	52	26	124	124	60	3	0
January 2025	87	43	43	43	18	129	129	61	0	0
January 2026	84	35	35	35	12	135	132	61	0	0
January 2027	82	29	29	29	8	140	131	59	0	0
January 2028	79	24	24	24	6	146	127	57	0	0
January 2029	76	19	19	19	4	153	121	53	0	0
January 2030	72	16	16	16	3	159	113	49	0	0
January 2031	69	13	13	13	2	166	105	44	0	0
January 2032	65	10	10	10	1	174	96	40	0	0
January 2033	61	8	8	8	1	181	87	36	0	0
January 2034	57	7	7	7	1	189	78	31	0	0
January 2035	53	5	5	5	0	197	70	27	0	0
January 2036	48	4	4	4	0	206	62	24	0	0
January 2037	43	3	3	3	0	215	54	20	0	0
January 2038	38	3	3	3	0	224	46	17	0	0
January 2039	33	2	2	2	0	234	40	14	0	0
January 2040	27	2	2	2	0	244	34	12	0	0
January 2041	21	1	1	1	0	254	28	10	0	0
January 2042	15	1	1	1	0	265	23	8	0	0
January 2043	8	1	1	1	0	277	18	6	0	0
January 2044	1	0	0	0	0	289	14	5	0	0
January 2045	0	0	0	0	0	239	10	3	0	0
January 2046	0	0	0	0	0	185	7	2	0	0
January 2047	0	0	0	0	0	127	4	1	0	0
January 2048	0	0	0	0	0	66	2	1	0	0
January 2049	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	15.4	6.4	6.4	6.4	4.0	27.7	17.1	10.7	2.5	1.0

**Security Groups 8 and 9
PSA Prepayment Assumption Rates**

Distribution Date	Class EF							Class GF						
	0%	100%	175%	220%	265%	400%	500%	0%	100%	175%	220%	265%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	98	96	95	95	94	93	92	99	97	96	95	94	92	90
January 2021	97	90	86	85	83	79	74	97	91	87	85	82	75	70
January 2022	95	83	75	73	70	59	51	96	84	77	73	68	57	49
January 2023	93	76	65	62	58	44	35	94	78	68	62	56	42	33
January 2024	91	69	56	52	49	33	24	92	72	59	53	46	31	23
January 2025	89	63	48	44	40	25	16	90	66	52	45	38	23	16
January 2026	87	57	41	37	33	18	11	88	61	45	38	31	17	11
January 2027	84	52	35	31	27	13	8	86	56	40	32	26	13	7
January 2028	82	46	30	26	22	10	5	84	51	35	27	21	10	5
January 2029	79	41	26	21	18	7	4	82	47	30	23	17	7	3
January 2030	77	37	22	18	15	5	2	80	42	26	19	14	5	2
January 2031	74	32	19	15	12	4	2	77	39	23	16	11	4	2
January 2032	71	28	16	12	10	3	1	74	35	19	14	9	3	1
January 2033	67	24	13	10	8	2	1	72	31	17	11	7	2	1
January 2034	64	21	11	8	6	2	0	69	28	14	9	6	1	0
January 2035	60	17	9	7	5	1	0	65	25	12	8	5	1	0
January 2036	57	15	8	6	4	1	0	62	23	10	6	4	1	0
January 2037	53	13	7	4	3	1	0	59	20	9	5	3	1	0
January 2038	48	12	5	4	3	0	0	55	18	7	4	2	0	0
January 2039	44	10	4	3	2	0	0	51	15	6	3	2	0	0
January 2040	39	9	4	2	2	0	0	47	13	5	3	1	0	0
January 2041	34	7	3	2	1	0	0	43	11	4	2	1	0	0
January 2042	29	6	2	1	1	0	0	38	9	3	2	1	0	0
January 2043	23	5	2	1	1	0	0	34	8	3	1	1	0	0
January 2044	17	4	1	1	0	0	0	29	6	2	1	0	0	0
January 2045	14	3	1	1	0	0	0	23	5	1	1	0	0	0
January 2046	11	2	1	0	0	0	0	18	3	1	0	0	0	0
January 2047	7	1	0	0	0	0	0	12	2	1	0	0	0	0
January 2048	3	1	0	0	0	0	0	6	1	0	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average														
Life (years)	17.4	9.7	7.4	6.7	6.2	4.5	3.8	18.7	10.9	8.0	6.9	6.0	4.4	3.7

**Security Group 10
PSA Prepayment Assumption Rates**

Distribution Date	Class BA					Class BC					Class BD					Class BE				
	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	98	92	89	88	78	98	91	87	86	74	100	100	100	100	100	99	93	90	90	81
January 2021	96	77	68	66	39	97	75	65	63	33	100	100	100	100	100	97	79	71	69	44
January 2022	94	60	45	42	6	95	58	43	39	2	100	100	100	100	100	95	61	47	44	8
January 2023	92	45	28	24	0	93	43	26	22	0	100	100	100	100	55	94	46	29	25	0
January 2024	89	32	14	10	0	90	31	13	9	0	100	100	100	100	28	92	33	15	11	0
January 2025	87	22	4	0	0	88	21	3	0	0	100	100	100	96	14	90	23	4	0	0
January 2026	84	13	0	0	0	86	13	0	0	0	100	100	83	72	7	87	14	0	0	0
January 2027	81	6	0	0	0	83	5	0	0	0	100	100	63	53	4	85	6	0	0	0
January 2028	78	0	0	0	0	81	0	0	0	0	100	98	48	40	2	83	0	0	0	0
January 2029	75	0	0	0	0	78	0	0	0	0	100	81	36	29	1	80	0	0	0	0
January 2030	72	0	0	0	0	75	0	0	0	0	100	67	27	22	0	77	0	0	0	0
January 2031	69	0	0	0	0	71	0	0	0	0	100	55	21	16	0	74	0	0	0	0
January 2032	65	0	0	0	0	68	0	0	0	0	100	45	16	12	0	71	0	0	0	0
January 2033	62	0	0	0	0	64	0	0	0	0	100	37	12	9	0	68	0	0	0	0
January 2034	58	0	0	0	0	60	0	0	0	0	100	30	9	6	0	64	0	0	0	0
January 2035	54	0	0	0	0	56	0	0	0	0	100	25	6	5	0	60	0	0	0	0
January 2036	49	0	0	0	0	52	0	0	0	0	100	20	5	3	0	56	0	0	0	0
January 2037	45	0	0	0	0	47	0	0	0	0	100	16	4	2	0	52	0	0	0	0
January 2038	40	0	0	0	0	43	0	0	0	0	100	13	3	2	0	47	0	0	0	0
January 2039	35	0	0	0	0	37	0	0	0	0	100	10	2	1	0	42	0	0	0	0
January 2040	30	0	0	0	0	32	0	0	0	0	100	8	1	1	0	37	0	0	0	0
January 2041	24	0	0	0	0	26	0	0	0	0	100	6	1	1	0	31	0	0	0	0
January 2042	18	0	0	0	0	20	0	0	0	0	100	5	1	0	0	25	0	0	0	0
January 2043	12	0	0	0	0	13	0	0	0	0	100	3	0	0	0	18	0	0	0	0
January 2044	5	0	0	0	0	6	0	0	0	0	100	2	0	0	0	12	0	0	0	0
January 2045	0	0	0	0	0	0	0	0	0	0	96	2	0	0	0	4	0	0	0	0
January 2046	0	0	0	0	0	0	0	0	0	0	70	1	0	0	0	0	0	0	0	0
January 2047	0	0	0	0	0	0	0	0	0	0	42	1	0	0	0	0	0	0	0	0
January 2048	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	15.6	4.0	3.0	2.8	1.7	16.1	3.9	2.9	2.7	1.6	27.7	13.8	9.9	9.2	4.6	16.9	4.1	3.1	2.9	1.8

**Security Group 10
PSA Prepayment Assumption Rates**

Distribution Date	Class BI					Class BV					Class BZ					Classes CA, CD, CE, CG, CH, CJ, CK, CL, CM, CN, CP, CQ and IC				
	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	91	72	63	61	34	93	93	93	93	93	104	104	104	104	104	94	79	79	79	79
January 2021	81	50	38	35	3	85	85	85	85	85	107	107	107	107	107	87	37	37	37	0
January 2022	71	33	19	16	0	77	77	77	77	77	111	111	111	111	111	79	0	0	0	0
January 2023	60	18	5	2	0	69	69	69	69	0	115	115	115	115	115	72	0	0	0	0
January 2024	50	6	0	0	0	60	60	60	60	0	119	119	119	119	69	64	0	0	0	0
January 2025	40	0	0	0	0	51	51	51	51	0	123	123	123	123	35	55	0	0	0	0
January 2026	28	0	0	0	0	42	42	0	0	0	128	128	128	128	18	46	0	0	0	0
January 2027	16	0	0	0	0	33	33	0	0	0	132	132	132	125	9	36	0	0	0	0
January 2028	3	0	0	0	0	23	21	0	0	0	137	137	112	93	5	26	0	0	0	0
January 2029	0	0	0	0	0	13	0	0	0	0	142	142	84	68	2	15	0	0	0	0
January 2030	0	0	0	0	0	2	0	0	0	0	147	147	64	50	1	3	0	0	0	0
January 2031	0	0	0	0	0	0	0	0	0	0	152	127	48	37	1	0	0	0	0	0
January 2032	0	0	0	0	0	0	0	0	0	0	158	104	36	27	0	0	0	0	0	0
January 2033	0	0	0	0	0	0	0	0	0	0	163	85	27	20	0	0	0	0	0	0
January 2034	0	0	0	0	0	0	0	0	0	0	169	69	20	14	0	0	0	0	0	0
January 2035	0	0	0	0	0	0	0	0	0	0	175	56	15	10	0	0	0	0	0	0
January 2036	0	0	0	0	0	0	0	0	0	0	181	45	11	7	0	0	0	0	0	0
January 2037	0	0	0	0	0	0	0	0	0	0	188	36	8	5	0	0	0	0	0	0
January 2038	0	0	0	0	0	0	0	0	0	0	194	29	6	4	0	0	0	0	0	0
January 2039	0	0	0	0	0	0	0	0	0	0	201	23	4	3	0	0	0	0	0	0
January 2040	0	0	0	0	0	0	0	0	0	0	203	18	3	2	0	0	0	0	0	0
January 2041	0	0	0	0	0	0	0	0	0	0	203	14	2	1	0	0	0	0	0	0
January 2042	0	0	0	0	0	0	0	0	0	0	203	10	1	1	0	0	0	0	0	0
January 2043	0	0	0	0	0	0	0	0	0	0	203	8	1	1	0	0	0	0	0	0
January 2044	0	0	0	0	0	0	0	0	0	0	203	5	1	0	0	0	0	0	0	0
January 2045	0	0	0	0	0	0	0	0	0	0	196	4	0	0	0	0	0	0	0	0
January 2046	0	0	0	0	0	0	0	0	0	0	156	2	0	0	0	0	0	0	0	0
January 2047	0	0	0	0	0	0	0	0	0	0	103	1	0	0	0	0	0	0	0	0
January 2048	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	4.9	2.3	1.7	1.6	0.8	6.0	5.8	4.9	4.7	3.0	28.0	15.8	11.8	11.1	5.7	6.3	1.6	1.6	1.6	1.4

PSA Prepayment Assumption Rates

Distribution Date	Class CB					Class CI					Class CV					Class CZ				
	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	100	100	100	100	100	89	44	25	20	0	93	93	93	93	93	104	104	65	55	0
January 2021	100	100	100	100	98	77	4	0	0	0	85	85	85	85	85	109	109	0	0	0
January 2022	100	93	93	93	51	67	0	0	0	0	77	77	77	77	77	114	114	0	0	0
January 2023	100	72	72	72	26	57	0	0	0	0	69	69	69	69	0	118	118	0	0	0
January 2024	100	54	54	54	13	46	0	0	0	0	60	60	60	60	0	124	123	0	0	0
January 2025	100	40	40	40	7	35	0	0	0	0	51	51	51	51	0	129	113	0	0	0
January 2026	100	30	30	30	3	24	0	0	0	0	42	42	0	0	0	135	85	0	0	0
January 2027	100	22	22	22	2	12	0	0	0	0	33	33	0	0	0	140	48	0	0	0
January 2028	100	17	17	17	1	0	0	0	0	0	23	22	0	0	0	146	5	0	0	0
January 2029	100	12	12	12	0	0	0	0	0	0	13	0	0	0	0	153	0	0	0	0
January 2030	100	9	9	9	0	0	0	0	0	0	2	0	0	0	0	159	0	0	0	0
January 2031	96	7	7	7	0	0	0	0	0	0	0	0	0	0	0	166	0	0	0	0
January 2032	90	5	5	5	0	0	0	0	0	0	0	0	0	0	0	174	0	0	0	0
January 2033	84	4	4	4	0	0	0	0	0	0	0	0	0	0	0	181	0	0	0	0
January 2034	78	3	3	3	0	0	0	0	0	0	0	0	0	0	0	189	0	0	0	0
January 2035	71	2	2	2	0	0	0	0	0	0	0	0	0	0	0	197	0	0	0	0
January 2036	64	1	1	1	0	0	0	0	0	0	0	0	0	0	0	206	0	0	0	0
January 2037	56	1	1	1	0	0	0	0	0	0	0	0	0	0	0	215	0	0	0	0
January 2038	48	1	1	1	0	0	0	0	0	0	0	0	0	0	0	224	0	0	0	0
January 2039	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	234	0	0	0	0
January 2040	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	244	0	0	0	0
January 2041	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	254	0	0	0	0
January 2042	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	265	0	0	0	0
January 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	261	0	0	0	0
January 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	0	0	0	0
January 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	18.4	6.3	6.3	6.3	3.5	4.6	0.9	0.7	0.6	0.3	6.0	5.8	4.9	4.7	3.0	24.9	7.6	1.2	1.0	0.5

Security Group 10 PSA Prepayment Assumption Rates																				
Distribution Date	Class DA					Class DB					Class DC					Classes DF and DS				
	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	88	36	20	18	2	99	95	93	93	87	100	100	100	100	100	99	95	93	93	87
January 2021	76	10	4	3	0	98	84	78	77	59	100	100	100	100	100	98	84	79	77	59
January 2022	63	3	1	1	0	96	71	61	58	31	100	100	100	100	100	96	71	61	58	31
January 2023	51	1	0	0	0	95	59	46	43	16	100	100	100	100	67	95	59	46	43	16
January 2024	38	0	0	0	0	94	49	35	32	8	100	100	100	100	34	94	50	35	32	8
January 2025	27	0	0	0	0	92	41	27	24	4	100	100	100	100	17	92	41	27	24	4
January 2026	18	0	0	0	0	90	34	21	18	2	100	100	88	79	9	90	34	21	18	2
January 2027	12	0	0	0	0	89	29	16	13	1	100	100	71	62	4	89	29	16	13	1
January 2028	6	0	0	0	0	87	24	12	10	1	100	100	55	46	2	87	24	12	10	1
January 2029	4	0	0	0	0	85	20	9	7	0	100	86	42	34	1	85	20	9	7	0
January 2030	2	0	0	0	0	83	16	7	5	0	100	74	31	25	1	83	16	7	5	0
January 2031	1	0	0	0	0	80	13	5	4	0	100	62	24	18	0	80	13	5	4	0
January 2032	0	0	0	0	0	78	11	4	3	0	100	51	18	13	0	78	11	4	3	0
January 2033	0	0	0	0	0	75	9	3	2	0	100	42	13	10	0	75	9	3	2	0
January 2034	0	0	0	0	0	73	7	2	2	0	100	34	10	7	0	73	7	2	2	0
January 2035	0	0	0	0	0	70	6	2	1	0	100	27	7	5	0	70	6	2	1	0
January 2036	0	0	0	0	0	66	5	1	1	0	100	22	5	4	0	66	5	1	1	0
January 2037	0	0	0	0	0	63	4	1	1	0	100	18	4	3	0	63	4	1	1	0
January 2038	0	0	0	0	0	59	3	1	0	0	100	14	3	2	0	59	3	1	0	0
January 2039	0	0	0	0	0	56	2	0	0	0	100	11	2	1	0	56	2	0	0	0
January 2040	0	0	0	0	0	52	2	0	0	0	100	9	1	1	0	52	2	0	0	0
January 2041	0	0	0	0	0	47	1	0	0	0	100	7	1	1	0	47	1	0	0	0
January 2042	0	0	0	0	0	43	1	0	0	0	100	5	1	0	0	43	1	0	0	0
January 2043	0	0	0	0	0	38	1	0	0	0	100	4	0	0	0	38	1	0	0	0
January 2044	0	0	0	0	0	32	1	0	0	0	100	3	0	0	0	32	1	0	0	0
January 2045	0	0	0	0	0	27	0	0	0	0	96	2	0	0	0	27	0	0	0	0
January 2046	0	0	0	0	0	21	0	0	0	0	77	1	0	0	0	21	0	0	0	0
January 2047	0	0	0	0	0	14	0	0	0	0	51	1	0	0	0	14	0	0	0	0
January 2048	0	0	0	0	0	7	0	0	0	0	21	0	0	0	0	7	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	4.4	1.0	0.7	0.6	0.3	19.6	6.4	4.8	4.5	2.6	28.0	14.2	10.3	9.6	4.9	19.6	6.4	4.8	4.5	2.6

PSA Prepayment Assumption Rates																				
Distribution Date	Class DH					Class DI					Class DZ					Classes FC and SC				
	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	100	100	100	100	100	86	16	2	2	0	104	104	104	104	66	99	94	92	92	85
January 2021	100	100	100	100	100	70	2	1	1	0	109	109	99	83	0	98	83	77	76	56
January 2022	100	100	100	100	100	54	1	0	0	0	114	114	58	31	0	96	70	59	57	29
January 2023	100	100	100	100	65	38	0	0	0	0	118	118	37	6	0	95	58	45	42	15
January 2024	100	100	100	100	33	22	0	0	0	0	124	124	32	0	0	94	49	35	32	8
January 2025	100	100	100	100	17	9	0	0	0	0	129	129	31	0	0	92	41	26	24	4
January 2026	100	100	86	75	9	2	0	0	0	0	135	135	28	0	0	90	34	20	18	2
January 2027	100	100	66	56	4	2	0	0	0	0	140	140	25	0	0	89	28	15	13	1
January 2028	100	100	50	41	2	2	0	0	0	0	146	146	21	0	0	87	23	12	10	1
January 2029	100	82	38	31	1	1	0	0	0	0	153	133	18	0	0	85	19	9	7	0
January 2030	100	68	28	23	1	1	0	0	0	0	159	116	15	0	0	83	16	7	5	0
January 2031	100	56	21	17	0	1	0	0	0	0	166	101	12	0	0	80	13	5	4	0
January 2032	100	46	16	12	0	0	0	0	0	0	174	87	10	0	0	78	11	4	3	0
January 2033	100	38	12	9	0	0	0	0	0	0	181	74	8	0	0	75	9	3	2	0
January 2034	100	31	9	7	0	0	0	0	0	0	189	62	6	0	0	73	7	2	2	0
January 2035	100	25	7	5	0	0	0	0	0	0	197	52	5	0	0	70	6	2	1	0
January 2036	100	20	5	3	0	0	0	0	0	0	206	43	4	0	0	66	5	1	1	0
January 2037	100	16	4	2	0	0	0	0	0	0	215	35	3	0	0	63	4	1	1	0
January 2038	100	13	3	2	0	0	0	0	0	0	224	29	2	0	0	59	3	1	0	0
January 2039	100	10	2	1	0	0	0	0	0	0	234	23	2	0	0	56	2	0	0	0
January 2040	100	8	1	1	0	0	0	0	0	0	244	18	1	0	0	52	2	0	0	0
January 2041	100	6	1	1	0	0	0	0	0	0	254	14	1	0	0	47	1	0	0	0
January 2042	100	5	1	0	0	0	0	0	0	0	265	11	1	0	0	43	1	0	0	0
January 2043	100	3	0	0	0	0	0	0	0	0	277	8	0	0	0	38	1	0	0	0
January 2044	100	2	0	0	0	0	0	0	0	0	289	6	0	0	0	32	1	0	0	0
January 2045	100	2	0	0	0	0	0	0	0	0	288	4	0	0	0	27	0	0	0	0
January 2046	88	1	0	0	0	0	0	0	0	0	223	3	0	0	0	21	0	0	0	0
January 2047	61	1	0	0	0	0	0	0	0	0	153	2	0	0	0	14	0	0	0	0
January 2048	31	0	0	0	0	0	0	0	0	0	79	1	0	0	0	7	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	28.3	13.8	10.0	9.4	4.8	3.4	0.6	0.4	0.4	0.2	28.0	15.1	5.4	2.7	1.1	19.6	6.3	4.7	4.4	2.5

**Security Group 10
PSA Prepayment Assumption Rates**

Distribution Date	Classes FD and SD					Classes FE and SE					Classes FG and SM					Class FH				
	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	99	95	93	93	87	99	95	93	93	87	99	95	93	93	87	99	95	93	93	87
January 2021	98	84	78	77	59	98	84	78	77	59	98	84	78	77	59	98	84	78	77	59
January 2022	96	71	61	58	31	96	71	61	58	31	96	71	61	58	31	96	71	61	58	31
January 2023	95	59	46	43	16	95	59	46	43	16	95	59	46	43	16	95	59	46	43	16
January 2024	94	49	35	32	8	94	49	35	32	8	94	49	35	32	8	94	50	35	32	8
January 2025	92	41	27	24	4	92	41	27	24	4	92	41	27	24	4	92	41	27	24	4
January 2026	90	34	21	18	2	90	34	21	18	2	90	34	21	18	2	90	34	21	18	2
January 2027	89	29	16	13	1	89	29	16	13	1	89	29	16	13	1	89	29	16	13	1
January 2028	87	24	12	10	1	87	24	12	10	1	87	24	12	10	1	87	24	12	10	1
January 2029	85	20	9	7	0	85	20	9	7	0	85	20	9	7	0	85	20	9	7	0
January 2030	83	16	7	5	0	83	16	7	5	0	83	16	7	5	0	83	16	7	5	0
January 2031	80	13	5	4	0	80	13	5	4	0	80	13	5	4	0	80	13	5	4	0
January 2032	78	11	4	3	0	78	11	4	3	0	78	11	4	3	0	78	11	4	3	0
January 2033	75	9	3	2	0	75	9	3	2	0	75	9	3	2	0	75	9	3	2	0
January 2034	73	7	2	2	0	73	7	2	2	0	73	7	2	2	0	73	7	2	2	0
January 2035	70	6	2	1	0	70	6	2	1	0	70	6	2	1	0	70	6	2	1	0
January 2036	66	5	1	1	0	66	5	1	1	0	66	5	1	1	0	66	5	1	1	0
January 2037	63	4	1	1	0	63	4	1	1	0	63	4	1	1	0	63	4	1	1	0
January 2038	59	3	1	0	0	59	3	1	0	0	59	3	1	0	0	59	3	1	0	0
January 2039	56	2	0	0	0	56	2	0	0	0	56	2	0	0	0	56	2	0	0	0
January 2040	52	2	0	0	0	52	2	0	0	0	52	2	0	0	0	52	2	0	0	0
January 2041	47	1	0	0	0	47	1	0	0	0	47	1	0	0	0	47	1	0	0	0
January 2042	43	1	0	0	0	43	1	0	0	0	43	1	0	0	0	43	1	0	0	0
January 2043	38	1	0	0	0	38	1	0	0	0	38	1	0	0	0	38	1	0	0	0
January 2044	32	1	0	0	0	32	1	0	0	0	32	1	0	0	0	32	1	0	0	0
January 2045	27	0	0	0	0	27	0	0	0	0	27	0	0	0	0	27	0	0	0	0
January 2046	21	0	0	0	0	21	0	0	0	0	21	0	0	0	0	21	0	0	0	0
January 2047	14	0	0	0	0	14	0	0	0	0	14	0	0	0	0	14	0	0	0	0
January 2048	7	0	0	0	0	7	0	0	0	0	7	0	0	0	0	7	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	19.6	6.4	4.8	4.5	2.6	19.6	6.4	4.8	4.5	2.6	19.6	6.4	4.8	4.5	2.6	19.6	6.4	4.8	4.5	2.6

PSA Prepayment Assumption Rates

Distribution Date	Class FK					Class SG					Class SH					Class SI				
	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	99	95	93	92	86	99	95	93	93	87	99	95	93	93	87	99	95	93	93	87
January 2021	98	84	78	77	58	98	84	78	77	59	98	84	78	77	59	98	84	78	77	59
January 2022	96	71	60	58	30	96	71	61	58	31	96	71	61	58	31	96	71	61	58	31
January 2023	95	59	46	43	15	95	59	46	43	16	95	59	46	43	16	95	59	46	43	16
January 2024	94	49	35	32	8	94	49	35	32	8	94	49	35	32	8	94	49	35	32	8
January 2025	92	41	27	24	4	92	41	27	24	4	92	41	27	24	4	92	41	27	24	4
January 2026	90	34	20	18	2	90	34	21	18	2	90	34	21	18	2	90	34	21	18	2
January 2027	89	28	16	13	1	89	29	16	13	1	89	29	16	13	1	89	29	16	13	1
January 2028	87	24	12	10	1	87	24	12	10	1	87	24	12	10	1	87	24	12	10	1
January 2029	85	19	9	7	0	85	20	9	7	0	85	20	9	7	0	85	20	9	7	0
January 2030	83	16	7	5	0	83	16	7	5	0	83	16	7	5	0	83	16	7	5	0
January 2031	80	13	5	4	0	80	13	5	4	0	80	13	5	4	0	80	13	5	4	0
January 2032	78	11	4	3	0	78	11	4	3	0	78	11	4	3	0	78	11	4	3	0
January 2033	75	9	3	2	0	75	9	3	2	0	75	9	3	2	0	75	9	3	2	0
January 2034	73	7	2	2	0	73	7	2	2	0	73	7	2	2	0	73	7	2	2	0
January 2035	70	6	2	1	0	70	6	2	1	0	70	6	2	1	0	70	6	2	1	0
January 2036	66	5	1	1	0	66	5	1	1	0	66	5	1	1	0	66	5	1	1	0
January 2037	63	4	1	1	0	63	4	1	1	0	63	4	1	1	0	63	4	1	1	0
January 2038	59	3	1	0	0	59	3	1	0	0	59	3	1	0	0	59	3	1	0	0
January 2039	56	2	0	0	0	56	2	0	0	0	56	2	0	0	0	56	2	0	0	0
January 2040	52	2	0	0	0	52	2	0	0	0	52	2	0	0	0	52	2	0	0	0
January 2041	47	1	0	0	0	47	1	0	0	0	47	1	0	0	0	47	1	0	0	0
January 2042	43	1	0	0	0	43	1	0	0	0	43	1	0	0	0	43	1	0	0	0
January 2043	38	1	0	0	0	38	1	0	0	0	38	1	0	0	0	38	1	0	0	0
January 2044	32	1	0	0	0	32	1	0	0	0	32	1	0	0	0	32	1	0	0	0
January 2045	27	0	0	0	0	27	0	0	0	0	27	0	0	0	0	27	0	0	0	0
January 2046	21	0	0	0	0	21	0	0	0	0	21	0	0	0	0	21	0	0	0	0
January 2047	14	0	0	0	0	14	0	0	0	0	14	0	0	0	0	14	0	0	0	0
January 2048	7	0	0	0	0	7	0	0	0	0	7	0	0	0	0	7	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	19.6	6.4	4.7	4.4	2.6	19.6	6.4	4.8	4.5	2.6	19.6	6.4	4.8	4.5	2.6	19.6	6.4	4.8	4.5	2.6

Security Group 10																				
PSA Prepayment Assumption Rates																				
Distribution Date	Class SK					Class SN					Class VB					Class VC				
	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%	0%	250%	370%	400%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
January 2020	99	95	93	93	87	99	95	93	93	87	100	100	100	100	100	100	100	100	100	100
January 2021	98	84	78	77	59	98	84	78	77	59	100	100	100	100	100	100	100	100	100	100
January 2022	96	71	61	58	31	96	71	61	58	31	100	100	100	100	100	100	100	100	100	100
January 2023	95	59	46	43	16	95	59	46	43	16	100	100	100	100	39	100	100	100	100	29
January 2024	94	49	35	32	8	94	49	35	32	8	100	100	100	100	0	100	100	100	100	0
January 2025	92	41	27	24	4	92	41	27	24	4	100	100	100	100	0	100	100	100	100	0
January 2026	90	34	21	18	2	90	34	21	18	2	100	100	94	60	0	100	100	87	46	0
January 2027	89	29	16	13	1	89	29	16	13	1	100	100	23	0	0	100	100	2	0	0
January 2028	87	24	12	10	1	87	24	12	10	1	100	100	0	0	0	100	100	0	0	0
January 2029	85	20	9	7	0	85	20	9	7	0	100	58	0	0	0	100	46	0	0	0
January 2030	83	16	7	5	0	83	16	7	5	0	100	5	0	0	0	100	0	0	0	0
January 2031	80	13	5	4	0	80	13	5	4	0	93	0	0	0	0	93	0	0	0	0
January 2032	78	11	4	3	0	78	11	4	3	0	83	0	0	0	0	83	0	0	0	0
January 2033	75	9	3	2	0	75	9	3	2	0	73	0	0	0	0	73	0	0	0	0
January 2034	73	7	2	2	0	73	7	2	2	0	62	0	0	0	0	62	0	0	0	0
January 2035	70	6	2	1	0	70	6	2	1	0	51	0	0	0	0	51	0	0	0	0
January 2036	66	5	1	1	0	66	5	1	1	0	40	0	0	0	0	40	0	0	0	0
January 2037	63	4	1	1	0	63	4	1	1	0	28	0	0	0	0	28	0	0	0	0
January 2038	59	3	1	0	0	59	3	1	0	0	16	0	0	0	0	16	0	0	0	0
January 2039	56	2	0	0	0	56	2	0	0	0	3	0	0	0	0	3	0	0	0	0
January 2040	52	2	0	0	0	52	2	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2041	47	1	0	0	0	47	1	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2042	43	1	0	0	0	43	1	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2043	38	1	0	0	0	38	1	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2044	32	1	0	0	0	32	1	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2045	27	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2046	21	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2047	14	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2048	7	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	19.6	6.4	4.8	4.5	2.6	19.6	6.4	4.8	4.5	2.6	16.0	10.2	7.6	7.2	3.9	16.0	10.0	7.4	7.0	3.9

PSA Prepayment Assumption Rates					
Distribution Date	Class ZC				
	0%	250%	370%	400%	800%
Initial Percent	100	100	100	100	100
January 2020	104	104	104	104	104
January 2021	107	107	107	107	107
January 2022	111	111	111	111	111
January 2023	115	115	115	115	115
January 2024	119	119	119	119	67
January 2025	123	123	123	123	34
January 2026	128	128	128	128	17
January 2027	132	132	132	114	9
January 2028	137	137	101	84	4
January 2029	142	142	77	62	2
January 2030	147	138	58	46	1
January 2031	152	114	44	34	1
January 2032	158	93	33	25	0
January 2033	163	76	24	18	0
January 2034	169	62	18	13	0
January 2035	175	50	14	10	0
January 2036	181	41	10	7	0
January 2037	188	33	7	5	0
January 2038	194	26	5	4	0
January 2039	201	21	4	3	0
January 2040	203	16	3	2	0
January 2041	203	12	2	1	0
January 2042	203	9	1	1	0
January 2043	203	7	1	1	0
January 2044	203	5	1	0	0
January 2045	203	4	0	0	0
January 2046	179	2	0	0	0
January 2047	123	1	0	0	0
January 2048	63	0	0	0	0
January 2049	0	0	0	0	0
Weighted Average					
Life (years)	28.3	15.4	11.5	10.8	5.7

Security Group 11 PSA Prepayment Assumption Rates					
Distribution Date	Class KA				
	0%	200%	370%	600%	800%
Initial Percent	100	100	100	100	100
January 2020	99	94	90	85	81
January 2021	97	82	71	56	44
January 2022	95	67	47	24	8
January 2023	94	54	29	4	0
January 2024	92	43	15	0	0
January 2025	90	32	4	0	0
January 2026	87	24	0	0	0
January 2027	85	16	0	0	0
January 2028	83	9	0	0	0
January 2029	80	4	0	0	0
January 2030	77	0	0	0	0
January 2031	74	0	0	0	0
January 2032	71	0	0	0	0
January 2033	68	0	0	0	0
January 2034	64	0	0	0	0
January 2035	60	0	0	0	0
January 2036	56	0	0	0	0
January 2037	52	0	0	0	0
January 2038	47	0	0	0	0
January 2039	42	0	0	0	0
January 2040	37	0	0	0	0
January 2041	31	0	0	0	0
January 2042	25	0	0	0	0
January 2043	18	0	0	0	0
January 2044	12	0	0	0	0
January 2045	4	0	0	0	0
January 2046	0	0	0	0	0
Weighted Average Life (years)	16.9	4.8	3.1	2.2	1.8

Security Groups 10 and 11 PSA Prepayment Assumption Rates							
Distribution Date	Class DG						
	0%	200%	250%	370%	400%	600%	800%
Initial Percent	100	100	100	100	100	100	100
January 2020	95	75	71	63	62	55	50
January 2021	89	57	52	45	43	33	25
January 2022	83	44	39	29	27	14	4
January 2023	77	34	29	18	15	2	0
January 2024	71	26	21	9	6	0	0
January 2025	65	20	14	2	0	0	0
January 2026	61	15	8	0	0	0	0
January 2027	57	10	4	0	0	0	0
January 2028	53	6	0	0	0	0	0
January 2029	50	2	0	0	0	0	0
January 2030	48	0	0	0	0	0	0
January 2031	45	0	0	0	0	0	0
January 2032	43	0	0	0	0	0	0
January 2033	41	0	0	0	0	0	0
January 2034	38	0	0	0	0	0	0
January 2035	36	0	0	0	0	0	0
January 2036	33	0	0	0	0	0	0
January 2037	30	0	0	0	0	0	0
January 2038	27	0	0	0	0	0	0
January 2039	24	0	0	0	0	0	0
January 2040	21	0	0	0	0	0	0
January 2041	17	0	0	0	0	0	0
January 2042	13	0	0	0	0	0	0
January 2043	9	0	0	0	0	0	0
January 2044	5	0	0	0	0	0	0
January 2045	1	0	0	0	0	0	0
January 2046	0	0	0	0	0	0	0
January 2047	0	0	0	0	0	0	0
January 2048	0	0	0	0	0	0	0
January 2049	0	0	0	0	0	0	0
Weighted Average Life (years)	11.8	3.4	2.9	2.1	2.0	1.5	1.2

Yield Considerations

An investor seeking to maximize yield should make a decision whether to invest in any Regular or MX Class based on the anticipated yield of that Class resulting from its purchase price, the investor's own projection of Mortgage Loan prepayment rates under a variety of scenarios, in the case of the Group 4, 5, 6, 7, 8 and 11 Securities and the Class BA, BC, BD, BI, BV, BZ, CI, DA, DI and VB Secu-

rities, the investor's own projection of payment rates on the Underlying Certificates under a variety of scenarios and, in the case of a Floating Rate or an Inverse Floating Rate Class, the investor's own projection of levels of LIBOR under a variety of scenarios. **No representation is made regarding Mortgage Loan prepayment rates, Underlying Certificate payment rates, LIBOR levels or the yield of any Class.**

Prepayments: Effect on Yields

The yields to investors will be sensitive in varying degrees to the rate of prepayments on the related Mortgage Loans.

- In the case of Regular Securities or MX Securities purchased at a premium (especially the Interest Only Classes), faster than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.
- Investors in the Interest Only Classes should also consider the risk that rapid rates of principal payments could result in the failure of investors to recover fully their investments.
- In the case of Regular Securities or MX Securities purchased at a discount, slower than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.

See "Risk Factors — Rates of principal payments can reduce your yield" in this Supplement.

Rapid rates of prepayments on the Mortgage Loans are likely to coincide with periods of low prevailing interest rates.

During periods of low prevailing interest rates, the yields at which an investor may be able to reinvest amounts received as principal payments on the investor's Class of Securities may be lower than the yield on that Class.

Slow rates of prepayments on the Mortgage Loans are likely to coincide with periods of high prevailing interest rates.

During periods of high prevailing interest rates, the amount of principal payments available to an investor for reinvestment at those high rates may be relatively low.

The Mortgage Loans will not prepay at any constant rate until maturity, nor will all of the Mortgage Loans underlying any Trust Asset Group prepay at the same rate at any one time. The timing of changes in the rate of prepayments may affect the actual yield to an investor, even if the average rate of principal prepayments is consistent with the investor's expectation. In general, the earlier a prepayment of principal on the Mortgage Loans, the greater the effect on an investor's yield. As a result, the effect on an investor's yield of principal prepayments occurring at a rate higher (or lower) than the rate anticipated by the investor during the period immediately following the Closing Date is not likely to be offset by a later equivalent reduction (or increase) in the rate of principal prepayments.

LIBOR: Effect on Yields of the Floating Rate and Inverse Floating Rate Classes

Low levels of LIBOR can reduce the yield of the Floating Rate Classes. High levels of LIBOR can significantly reduce the yield of the Inverse Floating Rate Classes. In addition, the Floating Rate Classes will not necessarily benefit from a higher yield at high levels of LIBOR, and Classes AT, BT and CT may not benefit from particularly low levels of LIBOR, because the rates on such Classes are capped at the maximum rates described under "Terms Sheet — Interest Rates."

Payment Delay: Effect on Yields of the Fixed Rate Classes

The effective yield on any Fixed Rate Class will be less than the yield otherwise produced by its Interest Rate and purchase price because, on each Distribution Date, 30 days' interest will be payable on (or added to the principal amount of) that Class even though interest began to accrue approximately 50 days earlier.

Yield Tables

The following tables show the pre-tax yields to maturity on a corporate bond equivalent basis of specified Classes at various constant percentages of PSA and, in the case of the Inverse Floating Rate Classes, at various constant levels of LIBOR.

The Mortgage Loans will not prepay at any constant rate until maturity, and it is unlikely that LIBOR will remain constant. Moreover, it is likely that the Mortgage Loans will experience actual prepayment rates that differ from those of the Modeling Assumptions. **Therefore, the actual pre-tax yield of any Class may differ from those shown in the applicable table below for that Class even if the Class is purchased at the assumed price shown.**

The yields were calculated by

1. determining the monthly discount rates that, when applied to the applicable assumed streams of cash flows to be paid on the applicable Class, would cause the discounted present value of the assumed streams of cash flows to equal the assumed purchase price of that Class plus accrued interest, and
2. converting the monthly rates to corporate bond equivalent rates.

These calculations do not take into account variations that may occur in the interest rates at which investors may be able to reinvest funds received by them as distributions on their Securities and consequently do not purport to reflect the return on any investment in any Class when those reinvestment rates are considered.

The information set forth in the following tables was prepared on the basis of the Modeling Assumptions and the assumptions that (1) the Interest Rate applicable to each Inverse Floating Rate Class for each Accrual Period following the first Accrual Period will be based on the indicated level of LIBOR and (2) the purchase price of each Class (expressed as a percentage of its original Class Notional Balance) plus accrued interest is as indicated in the related table. **The assumed purchase price is not necessarily that at which actual sales will occur.**

SECURITY GROUP 1

Sensitivity of Class SA to Prepayments Assumed Price 14.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>210%</u>	<u>245%</u>	<u>500%</u>
1.000%	27.4%	24.2%	22.4%	8.5%
2.514%	15.4%	12.1%	10.2%	(4.3)%
4.282%	1.1%	(2.3)%	(4.4)%	(19.7)%
6.050% and above	**	**	**	**

SECURITY GROUP 2

Sensitivity of Class SJ to Prepayments Assumed Price 15.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>115%</u>	<u>200%</u>	<u>230%</u>	<u>400%</u>
1.000%	27.1%	22.8%	21.2%	12.3%
2.514%	15.9%	11.4%	9.8%	0.4%
4.307%	2.4%	(2.4)%	(4.1)%	(14.1)%
6.100% and above	**	**	**	**

SECURITY GROUP 4

Sensitivity of Class EI to Prepayments Assumed Price 20.5703125%*

<u>PSA Prepayment Assumption Rates</u>				
<u>150%</u>	<u>266%</u>	<u>294%</u>	<u>400%</u>	<u>600%</u>
10.1%	2.1%	0.1%	(7.7)%	(23.3)%

SECURITY GROUP 5

Sensitivity of Class AT to Prepayments Assumed Price 0.5625%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>300%</u>	<u>520%</u>	<u>800%</u>	<u>1,100%</u>
6.100% and below	3.9%	(13.0)%	(37.0)%	(67.9)%
6.175%	(10.3)%	(26.1)%	(48.7)%	(77.9)%
6.250% and above	**	**	**	**

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

** Indicates that investors will suffer a loss of virtually all of their investment.

Sensitivity of Class BS to Prepayments
Assumed Price 15.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>300%</u>	<u>520%</u>	<u>800%</u>	<u>1,100%</u>
1.0000%	11.6%	(4.8)%	(27.9)%	(56.3)%
2.5030%	1.3%	(14.6)%	(36.9)%	(64.7)%
4.3015%	(11.5)%	(26.7)%	(48.2)%	(75.5)%
6.1000% and above	**	**	**	**

Sensitivity of Class BT to Prepayments
Assumed Price 0.375%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>300%</u>	<u>520%</u>	<u>800%</u>	<u>1,100%</u>
6.10% and below	4.1%	(12.8)%	(36.9)%	(67.8)%
6.15%	(10.1)%	(25.9)%	(48.5)%	(77.9)%
6.20% and above	**	**	**	**

SECURITY GROUP 6

Sensitivity of Class CS to Prepayments
Assumed Price 15.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>223%</u>	<u>400%</u>	<u>500%</u>
1.0000%	25.1%	16.3%	2.8%	(5.2)%
2.5030%	14.5%	6.0%	(6.8)%	(14.5)%
4.3015%	1.2%	(6.8)%	(18.9)%	(26.2)%
6.1000% and above	**	**	**	**

Sensitivity of Class CT to Prepayments
Assumed Price 0.1875%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>223%</u>	<u>400%</u>	<u>500%</u>
6.100% and below	18.4%	9.7%	(3.3)%	(11.1)%
6.125%	3.4%	(4.7)%	(17.0)%	(24.3)%
6.150% and above	**	**	**	**

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

** Indicates that investors will suffer a loss of virtually all of their investment.

SECURITY GROUP 7

Sensitivity of Class GI to Prepayments Assumed Price 16.0%*

PSA Prepayment Assumption Rates				
<u>165%</u>	<u>300%</u>	<u>435%</u>	<u>600%</u>	<u>632%</u>
8.9%	8.9%	8.9%	1.6%	0.0%

SECURITY GROUP 9

Sensitivity of Class LS to Prepayments Assumed Price 12.625%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>175%</u>	<u>220%</u>	<u>265%</u>	<u>500%</u>
1.0000%	30.2%	30.2%	30.2%	20.2%
2.5030%	15.9%	15.9%	15.9%	4.5%
4.3015%	(1.5)%	(1.5)%	(1.5)%	(14.8)%
6.1000% and above	**	**	**	**

Sensitivity of Class SL to Prepayments Assumed Price 13.30859375%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>175%</u>	<u>220%</u>	<u>265%</u>	<u>500%</u>
1.0000%	30.5%	28.2%	25.9%	13.7%
2.5030%	17.3%	14.9%	12.5%	(0.4)%
4.3015%	1.4%	(1.1)%	(3.7)%	(17.6)%
6.1000% and above	**	**	**	**

SECURITY GROUP 10

Sensitivity of Class BI to Prepayments Assumed Price 15.1875%*

PSA Prepayment Assumption Rates				
<u>201%</u>	<u>250%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
0.0%	(7.1)%	(25.7)%	(30.6)%	(99.4)%

Sensitivity of Class CI to Prepayments Assumed Price 4.375%*

PSA Prepayment Assumption Rates				
<u>229%</u>	<u>250%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
0.0%	(10.3)%	(65.6)%	(78.2)%	**

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

** Indicates that investors will suffer a loss of virtually all of their investment.

Sensitivity of Class DI to Prepayments
Assumed Price 3.0%*

PSA Prepayment Assumption Rates				
<u>238%</u>	<u>250%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
0.5%	(7.2)%	(71.2)%	(83.9)%	**

Sensitivity of Class DS to Prepayments
Assumed Price 12.75%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>250%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
1.0000%	28.8%	22.9%	21.4%	1.0%
2.5130%	14.7%	8.4%	6.8%	(15.3)%
4.2815%	(2.0)%	(8.8)%	(10.6)%	(35.2)%
6.0500% and above	**	**	**	**

Sensitivity of Class IC to Prepayments
Assumed Price 7.5%*

PSA Prepayment Assumption Rates				
<u>250%</u>	<u>370%</u>	<u>400%</u>	<u>605%</u>	<u>800%</u>
5.6%	5.6%	5.6%	0.0%	(12.3)%

Sensitivity of Class SC to Prepayments
Assumed Price 14.0%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>250%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
1.0000%	24.5%	18.3%	16.7%	(4.9)%
2.5130%	11.7%	5.2%	3.5%	(19.6)%
4.3065%	(3.6)%	(10.6)%	(12.4)%	(37.7)%
6.1000% and above	**	**	**	**

Sensitivity of Class SD to Prepayments
Assumed Price 15.0%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>250%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
1.0000%	22.0%	15.9%	14.4%	(6.7)%
2.5130%	10.0%	3.6%	2.0%	(20.7)%
4.3065%	(4.4)%	(11.4)%	(13.1)%	(38.2)%
6.1000% and above	**	**	**	**

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

** Indicates that investors will suffer a loss of virtually all of their investment.

Sensitivity of Class SE to Prepayments
Assumed Price 15.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>250%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
1.0000%	22.0%	15.9%	14.4%	(6.7)%
2.5130%	10.0%	3.6%	2.0%	(20.7)%
4.3065%	(4.4)%	(11.4)%	(13.1)%	(38.2)%
6.1000% and above	**	**	**	**

Sensitivity of Class SG to Prepayments
Assumed Price 15.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>250%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
1.0000%	21.6%	15.5%	14.0%	(7.2)%
2.5130%	9.6%	3.2%	1.5%	(21.2)%
4.2815%	(4.7)%	(11.6)%	(13.4)%	(38.4)%
6.0500% and above	**	**	**	**

Sensitivity of Class SH to Prepayments
Assumed Price 15.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>250%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
1.0000%	21.6%	15.5%	14.0%	(7.2)%
2.5130%	9.6%	3.2%	1.5%	(21.2)%
4.2815%	(4.7)%	(11.6)%	(13.4)%	(38.4)%
6.0500% and above	**	**	**	**

Sensitivity of Class SI to Prepayments
Assumed Price 15.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>250%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
1.0000%	21.6%	15.5%	14.0%	(7.2)%
2.5130%	9.6%	3.2%	1.5%	(21.2)%
4.2815%	(4.7)%	(11.6)%	(13.4)%	(38.4)%
6.0500% and above	**	**	**	**

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

** Indicates that investors will suffer a loss of virtually all of their investment.

Sensitivity of Class SK to Prepayments
Assumed Price 15.0%*

LIBOR	PSA Prepayment Assumption Rates			
	250%	370%	400%	800%
1.0000%	22.0%	15.9%	14.4%	(6.7)%
2.5130%	10.0%	3.6%	2.0%	(20.7)%
4.3065%	(4.4)%	(11.4)%	(13.1)%	(38.2)%
6.1000% and above	**	**	**	**

Sensitivity of Class SM to Prepayments
Assumed Price 15.0%*

LIBOR	PSA Prepayment Assumption Rates			
	250%	370%	400%	800%
1.0000%	21.6%	15.5%	14.0%	(7.2)%
2.5130%	9.6%	3.2%	1.5%	(21.2)%
4.2815%	(4.7)%	(11.6)%	(13.4)%	(38.4)%
6.0500% and above	**	**	**	**

Sensitivity of Class SN to Prepayments
Assumed Price 15.0%*

LIBOR	PSA Prepayment Assumption Rates			
	250%	370%	400%	800%
1.0000%	21.6%	15.5%	14.0%	(7.2)%
2.5130%	9.6%	3.2%	1.5%	(21.2)%
4.2815%	(4.7)%	(11.6)%	(13.4)%	(38.4)%
6.0500% and above	**	**	**	**

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

** Indicates that investors will suffer a loss of virtually all of their investment.

CERTAIN UNITED STATES FEDERAL INCOME TAX CONSEQUENCES

The following tax discussion, when read in conjunction with the discussion of “Certain United States Federal Income Tax Consequences” in the Base Offering Circular, describes the material United States federal income tax considerations for investors in the Securities. However, these two tax discussions do not purport to deal with all United States federal tax consequences applicable to all categories of investors, some of which may be subject to special rules.

REMIC Elections

In the opinion of Cadwalader, Wickersham & Taft LLP, the Trust will constitute a Single REMIC Series as to the Group 11 Trust Assets and a Double REMIC Series as to the Group 1 through 10 Trust

Assets for United States federal income tax purposes. Separate REMIC elections will be made for the Group 11 REMIC, the Group 1 through 10 Pooling REMIC and the Group 1 through 10 Issuing REMIC.

Regular Securities

The Regular Securities will be treated as debt instruments issued by the Group 11 REMIC or the Group 1 through 10 Issuing REMIC, as applicable, for United States federal income tax purposes. Income on the Regular Securities must be reported under an accrual method of accounting.

The Notional and Accrual Classes of Regular Securities will be issued with original issue discount (“OID”), and certain other Classes of Regular Securities may be issued with OID. *See “Certain United States Federal Income Tax Consequences — Tax Treatment of Regular Securities — Original Issue Discount,” “—Variable Rate Securities” and “—Interest Weighted Securities and Non-VRDI Securities” in the Base Offering Circular.*

The prepayment assumption that should be used in determining the rates of accrual of OID, if any, on the Regular Securities is 210% PSA in the case of the Group 1 Securities, 200% PSA in the case of the Group 2 Securities, 523% PSA in the case of the Group 3 Securities, 266% PSA in the case of the Group 4 Securities, 520% PSA in the case of the Group 5 Securities, 223% PSA in the case of the Group 6 Securities, 300% PSA in the case of the Group 7 Securities, 220% PSA in the case of the Group 8 and 9 Securities and 370% PSA in the case of the Group 10 and 11 Securities (as described in “Yield, Maturity and Prepayment Considerations” in this Supplement). In the case of the Floating Rate and Inverse Floating Rate Classes, the interest rate values to be used for these determinations are the initial Interest Rates as set forth in the Terms Sheet under “Interest Rates.” No representation is made, however, about the rate at which prepayments on the Mortgage Loans underlying any Group of Trust Assets actually will occur or the level of LIBOR at any time after the date of this Supplement. *See “Certain United States Federal Income Tax Consequences” in the Base Offering Circular.*

The Regular Securities generally will be treated as “regular interests” in a REMIC for domestic building and loan associations and “real estate assets” for real estate investment trusts (“REITs”) as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular. Similarly, interest on the Regular Securities will be considered “interest on obligations secured by mortgages on real property” for REITs as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular.

A Holder of Regular Securities that uses an accrual method of accounting for tax purposes generally will be required to include certain amounts in income no later than the time such amounts are reflected on certain financial statements. The application of this rule thus may require the accrual of income earlier than would be the case under the general tax rules described under “Certain United States Federal Income Tax Consequences — Tax Treatment of Regular Securities” in the Base Offering Circular, although the precise application of this rule is unclear at this time. This rule generally will be effective for tax years beginning after December 31, 2017 or, for Regular Securities issued with original issue discount, for tax years beginning after December 31, 2018. The Service issued Notice 2018-80 stating its intention to issue regulations that would exclude market discount from this rule effective January 1, 2018. Prospective investors in Regular Securities that use an accrual method of accounting for tax purposes are urged to consult with their tax advisors regarding the potential applicability of this legislation to their particular situation.

Residual Securities

The Class R11 Securities will represent the beneficial ownership of the Residual Interest in the Group 11 REMIC. The Class RR Securities will represent the beneficial ownership of the Residual Interest

in the Group 1 through 10 Pooling REMIC and the beneficial ownership of the Residual Interest in the Group 1 through 10 Issuing REMIC. The Residual Securities, *i.e.*, the Class R11 and RR Securities, generally will be treated as “residual interests” in a REMIC for domestic building and loan associations and as “real estate assets” for REITs, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular, but will not be treated as debt for United States federal income tax purposes. Instead, the Holders of the Residual Securities will be required to report, and will be taxed on, their pro rata shares of the taxable income or loss of the related Trust REMICs, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMICs. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. Even though the Holders of the Residual Securities are not entitled to any stated principal or interest payments on the Residual Securities, the related Trust REMICs may have substantial taxable income in certain periods, and offsetting tax losses may not occur until much later periods. Accordingly, the Holders of the Residual Securities may experience substantial adverse tax timing consequences. Prospective investors are urged to consult their own tax advisors and consider the after-tax effect of ownership of the Residual Securities and the suitability of the Residual Securities to their investment objectives.

Prospective Holders of Residual Securities should be aware that, at issuance, based on the expected prices of the Regular and Residual Securities and the prepayment assumption described above, the residual interests represented by the Residual Securities will be treated as “noneconomic residual interests” as that term is defined in Treasury regulations.

OID accruals on the Underlying Certificates will be computed using the same prepayment assumption as set forth under “Certain United States Federal Income Tax Consequences — Regular Securities” in this Supplement.

An individual, trust or estate that holds Residual Securities (directly or indirectly through a grantor trust, a partnership, an S corporation, a common trust fund, or a nonpublicly offered RIC) generally will not be eligible to deduct its allocable share of the Trust REMICs’ fees or expenses under Section 212 of the Code for any taxable year beginning after December 31, 2017, and before January 1, 2026. Prospective investors in Residual Securities are urged to consult with their tax advisors regarding the potential applicability of this legislation to their particular situation.

MX Securities

For a discussion of certain United States federal income tax consequences applicable to the MX Classes, see “*Certain United States Federal Income Tax Consequences — Tax Treatment of MX Securities*,” “*Exchanges of MX Classes and Regular Classes*” and “*Taxation of Foreign Holders of REMIC Securities and MX Securities*” in the Base Offering Circular.

In the case of certain Holders of MX Securities that use an accrual method of accounting, these tax consequences are modified by newly enacted legislation as described above for a Holder of Regular Securities. Prospective investors in MX Securities that use an accrual method of accounting for tax purposes are urged to consult with their tax advisors regarding the potential applicability of this legislation to their particular situation.

Foreign Account Tax Compliance Act

The Service has issued proposed regulations, on which taxpayers may rely, that exclude gross proceeds from the sale or other disposition of Regular or MX Securities from the application of the

withholding tax imposed under FATCA and related administrative guidance. For a discussion of FATCA, see *“Certain United States Federal Income Tax Consequences — Taxation of Foreign Holders of REMIC Securities and MX Securities” in the Base Offering Circular.*

Investors should consult their own tax advisors in determining the United States federal, state, local, foreign and any other tax consequences to them of the purchase, ownership and disposition of the Securities.

ERISA MATTERS

Ginnie Mae guarantees distributions of principal and interest with respect to the Securities. The Ginnie Mae Guaranty is supported by the full faith and credit of the United States of America. The Regular and MX Securities will qualify as “guaranteed governmental mortgage pool certificates” within the meaning of a Department of Labor regulation, the effect of which is to provide that mortgage loans and participations therein underlying a “guaranteed governmental mortgage pool certificate” will not be considered assets of an employee benefit plan subject to the Employee Retirement Income Security Act of 1974, as amended (“ERISA”), or subject to section 4975 of the Code (each, a “Plan”), solely by reason of the Plan’s purchase and holding of that certificate.

Governmental plans and certain church plans, while not subject to the fiduciary responsibility provisions of ERISA or the prohibited transaction provisions of ERISA and the Code, may nevertheless be subject to local, state or other federal laws that are substantially similar to the foregoing provisions of ERISA and the Code.

Fiduciaries of any such plans should consult with their counsel before purchasing any of the Securities. In addition, because the Sponsor or the Co-Sponsor or any of their respective affiliates may receive certain benefits in connection with the sale or holding of the Regular or MX Securities, the purchase of the Regular or MX Securities using Plan assets over which any of these parties or their affiliates has discretionary authority or control, or renders “investment advice” (within the meaning of a Department of Labor regulation) for a fee with respect to the assets of a Plan, or is the employer or other sponsor of the Plan, might be deemed to be a violation of a provision of Title I of ERISA or Section 4975 of the Code. Accordingly, the Regular or MX Securities may not be purchased using the assets of any Plan if the Sponsor or the Co-Sponsor or any of their respective affiliates has discretionary authority or control or renders investment advice for a fee with respect to the assets of the Plan, or is the employer or other sponsor of the Plan, unless an applicable prohibited transaction exemption is available to cover the purchase or holding of the Regular or MX Securities or the transaction is not otherwise prohibited.

Prospective Plan Investors should consult with their advisors, however, to determine whether the purchase, holding or resale of a Security could give rise to a transaction that is prohibited or is not otherwise permissible under either ERISA or the Code.

See “ERISA Considerations” in the Base Offering Circular.

The Residual Securities are not offered to, and may not be transferred to, a Plan Investor.

LEGAL INVESTMENT CONSIDERATIONS

Institutions whose investment activities are subject to legal investment laws and regulations or to review by certain regulatory authorities may be subject to restrictions on investment in the Securities. **No representation is made about the proper characterization of any Class for legal investment or other purposes, or about the permissibility of the purchase by particular investors of any Class under applicable legal investment restrictions.**

Investors should consult their own legal advisors regarding applicable investment restrictions and the effect of any restrictions on the liquidity of the Securities prior to investing in the Securities.

See “Legal Investment Considerations” in the Base Offering Circular.

PLAN OF DISTRIBUTION

Subject to the terms and conditions of the Sponsor Agreement, the Sponsor has agreed to purchase all of the Securities if any are sold and purchased. The Sponsor proposes to offer the Regular and MX Classes to the public from time to time for sale in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from (1) January 1, 2019 on the Fixed Rate Classes and (2) January 20, 2019 on the Floating Rate and Inverse Floating Rate Classes. The Sponsor may effect these transactions by sales to or through certain securities dealers. These dealers may receive compensation in the form of discounts, concessions or commissions from the Sponsor and/or commissions from any purchasers for which they act as agents. Some of the Securities may be sold through dealers in relatively small sales. In the usual case, the commission charged on a relatively small sale of securities will be a higher percentage of the sales price than that charged on a large sale of securities.

INCREASE IN SIZE

Before the Closing Date, Ginnie Mae, the Trustee and the Sponsor may agree to increase the size of this offering. In that event, the Securities will have the same characteristics as described in this Supplement, except that (1) the Original Class Principal Balance (or original Class Notional Balance) and (2) the Scheduled Principal Balances or Aggregate Scheduled Principal Balances of each Class receiving principal distributions or interest distributions based upon a notional balance from the same Trust Asset Group will increase by the same proportion. The Trust Agreement, the Final Data Statement, the Final Schedules and the Supplemental Statement, if any, will reflect any increase in the size of the transaction.

LEGAL MATTERS

Certain legal matters will be passed upon for Ginnie Mae by Hunton Andrews Kurth LLP, for the Trust by Cadwalader, Wickersham & Taft LLP and Marcell Solomon & Associates PC, Bowie, Maryland, and for the Trustee by Aini & Associates PLLC.

Available Combinations(1)

REMIC Securities		MX Securities						
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 2								
Combination 1								
JL	\$ 3,955,000	JD	\$ 7,910,000	PAC II	3.50%	FIX	38381BS88	January 2049
JM	3,955,000							
Security Group 7								
Combination 2(5)								
G	\$31,384,445	GA	\$ 31,384,445	SC/PAC	3.00%	FIX	38381BS96	August 2048
		GB	31,384,445	SC/PAC	3.25	FIX	38381BT20	August 2048
		GC	31,384,445	SC/PAC	3.50	FIX	38381BT38	August 2048
		GD	31,384,445	SC/PAC	3.75	FIX	38381BT46	August 2048
		GE	31,384,445	SC/PAC	4.00	FIX	38381BT53	August 2048
		GH	31,384,445	SC/PAC	4.25	FIX	38381BT61	August 2048
		GI	10,461,481	NTL(SC/PAC)	4.50	FIX/IO	38381BT79	August 2048
		GJ	31,384,445	SC/PAC	4.50	FIX	38381BT87	August 2048
		GK	26,900,952	SC/PAC	4.75	FIX	38381BT95	August 2048
		GL	23,538,333	SC/PAC	5.00	FIX	38381BU28	August 2048
Security Groups 8 and 9								
Combination 3(6)								
AF	\$12,466,173	EF	\$ 33,494,286	SC/PT/PAC/AD	(7)	FLT	38381BU36	January 2049
FL	7,540,206							
LF	13,487,907							
Combination 4(6)								
AF	\$12,466,173	GF	\$ 20,006,379	SC/PT	(7)	FLT	38381BU44	January 2049
FL	7,540,206							

REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 10 Combination 5(5) CA	\$57,764,000	CD	\$ 57,764,000	PAC/AD	2.50%	FIX	38381BU51	January 2038
		CE	57,764,000	PAC/AD	2.75	FIX	38381BU69	January 2038
		CG	57,764,000	PAC/AD	3.00	FIX	38381BU77	January 2038
		CH	57,764,000	PAC/AD	3.25	FIX	38381BU85	January 2038
		CJ	57,764,000	PAC/AD	3.50	FIX	38381BU93	January 2038
		CK	57,764,000	PAC/AD	3.75	FIX	38381BV27	January 2038
		CL	57,764,000	PAC/AD	4.00	FIX	38381BV35	January 2038
		CM	57,764,000	PAC/AD	4.25	FIX	38381BV43	January 2038
		CN	50,543,500	PAC/AD	4.50	FIX	38381BV50	January 2038
		CP	40,434,800	PAC/AD	5.00	FIX	38381BV68	January 2038
		CQ	33,695,666	PAC/AD	5.50	FIX	38381BV76	January 2038
		IC	20,217,400	NTL(PAC/AD)	5.00	FIX/IO	38381BV84	January 2038
		DC	\$ 17,370,343	SC/SEQ	3.50%	FIX	38381BV92	December 2048
		DH	\$ 16,044,195	SEQ	3.50%	FIX	38381BW26	January 2049
		SK	\$ 98,333,332	NTL(PT)	(7)	INV/IO	38381BW34	January 2049
		SM	\$ 85,616,666	NTL(PT)	(7)	INV/IO	38381BW42	January 2049
Combination 6 BV BZ VB Combination 7 CV VC ZC Combination 8 SD SE Combination 9 SG SH SI Combination 10 SH SI	\$ 4,112,000 8,557,343 4,701,000 \$ 3,798,000 4,342,000 7,904,195 \$59,666,666 38,666,666 \$37,283,333 27,500,000 20,833,333 \$27,500,000 20,833,333	SN	\$ 48,333,333	NTL(PT)	(7)	INV/IO	38381BW59	January 2049

REMIC Securities		MX Securities						
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Combination 11								
DF	\$22,940,000	FH	\$108,556,666	PT	(7)	FLT	38381BW67	January 2049
FG	85,616,666							
Combination 12								
FC	\$45,476,750	FK	\$143,810,082	PT	(7)	FLT	38381BW75	January 2049
FD	59,666,666							
FE	38,666,666							
Security Groups 10 and 11								
Combination 13(6)								
BA	\$47,772,000	DG	\$201,669,525	SC/PT/SEQ	3.50%	FIX	38381BW83	December 2048
BC	26,387,000							
DA	75,137,970							
KA	52,372,555							

(1) All exchanges must comply with minimum denomination restrictions.

(2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notional Balance) of that Class, assuming it were to be issued on the Closing Date.

(3) As defined under “Class Types” in Appendix I to the Base Offering Circular.

(4) See “Yield, Maturity and Prepayment Considerations — Final Distribution Date” in this Supplement.

(5) In the case of Combinations 2 and 5, various subcombinations are permitted. See “Description of the Securities — Modification and Exchange” in the Base Offering Circular for a discussion of subcombinations.

(6) Derived from REMIC and MX Classes relating to separate Groups.

(7) The Interest Rate will be calculated as described under “Terms Sheet — Interest Rates” in this Supplement.

Schedule II

SCHEDULED PRINCIPAL BALANCES

<u>Distribution Date</u>	<u>Classes PA and PL (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JA and JK (in the aggregate)</u>	<u>Classes JL and JM (in the aggregate)</u>
Initial Balance	\$78,432,000.00	\$3,965,000.00	\$66,805,050.00	\$7,910,000.00
February 2019	78,222,655.48	3,950,521.48	66,651,603.94	7,891,567.42
March 2019	77,989,597.84	3,932,448.68	66,481,475.98	7,867,015.21
April 2019	77,732,931.67	3,910,801.01	66,294,725.68	7,836,366.22
May 2019	77,452,779.87	3,885,603.83	66,091,422.54	7,799,651.87
June 2019	77,149,283.57	3,856,888.47	65,871,645.91	7,756,912.15
July 2019	76,822,602.07	3,824,692.18	65,635,485.00	7,708,195.64
August 2019	76,472,912.69	3,789,058.11	65,383,038.78	7,653,559.42
September 2019	76,100,410.68	3,750,035.24	65,114,416.00	7,593,069.03
October 2019	75,705,309.04	3,707,678.34	64,829,735.03	7,526,798.44
November 2019	75,287,838.34	3,662,047.88	64,529,123.88	7,454,829.87
December 2019	74,848,246.53	3,613,209.97	64,212,720.02	7,377,253.84
January 2020	74,386,798.70	3,561,236.24	63,880,670.36	7,294,168.92
February 2020	73,903,776.86	3,506,203.70	63,533,131.10	7,205,681.66
March 2020	73,399,479.62	3,448,194.70	63,170,267.61	7,111,906.50
April 2020	72,874,221.94	3,387,296.73	62,792,254.37	7,012,965.47
May 2020	72,328,334.82	3,323,602.27	62,399,274.73	6,908,988.19
June 2020	71,762,164.91	3,257,208.70	61,991,520.87	6,800,111.55
July 2020	71,176,074.21	3,188,218.06	61,569,193.59	6,686,479.58
August 2020	70,570,439.67	3,116,736.91	61,132,502.16	6,568,243.22
September 2020	69,945,652.79	3,042,876.13	60,681,664.16	6,445,560.09
October 2020	69,302,119.20	2,966,750.74	60,216,905.29	6,318,594.26
November 2020	68,640,258.25	2,888,479.66	59,738,459.21	6,187,515.98
December 2020	67,960,502.51	2,808,185.55	59,246,567.29	6,052,501.48
January 2021	67,263,297.34	2,725,994.52	58,741,478.49	5,913,732.59
February 2021	66,549,100.41	2,642,035.92	58,223,449.08	5,771,396.54
March 2021	65,818,381.14	2,556,442.12	57,692,742.45	5,625,685.66
April 2021	65,071,620.22	2,469,348.28	57,149,628.89	5,476,797.03
May 2021	64,331,133.53	2,384,123.14	56,594,385.35	5,324,932.21
June 2021	63,596,870.34	2,300,740.57	56,042,635.85	5,175,847.15
July 2021	62,868,780.33	2,219,174.76	55,494,359.26	5,029,509.34
August 2021	62,146,813.58	2,139,400.20	54,949,534.59	4,885,886.57
September 2021	61,430,920.57	2,061,391.67	54,408,140.98	4,744,946.94
October 2021	60,721,052.16	1,985,124.28	53,870,157.69	4,606,658.90
November 2021	60,017,159.61	1,910,573.42	53,335,564.10	4,470,991.20
December 2021	59,319,194.58	1,837,714.76	52,804,339.73	4,337,912.88
January 2022	58,627,109.10	1,766,524.27	52,276,464.20	4,207,393.34
February 2022	57,940,855.57	1,696,978.22	51,751,917.26	4,079,402.24
March 2022	57,260,386.79	1,629,053.14	51,230,678.80	3,953,909.56
April 2022	56,585,655.93	1,562,725.87	50,712,728.79	3,830,885.61
May 2022	55,916,616.53	1,497,973.49	50,198,047.36	3,710,300.95
June 2022	55,253,222.49	1,434,773.40	49,686,614.73	3,592,126.48
July 2022	54,595,428.10	1,373,103.22	49,178,411.26	3,476,333.35
August 2022	53,943,187.98	1,312,940.89	48,673,417.41	3,362,893.04

<u>Distribution Date</u>	<u>Classes PA and PL (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JA and JK (in the aggregate)</u>	<u>Classes JL and JM (in the aggregate)</u>
September 2022	\$53,296,457.15	\$1,254,264.56	\$48,171,613.76	\$3,251,777.29
October 2022	52,655,190.96	1,197,052.70	47,672,981.02	3,142,958.15
November 2022	52,019,345.12	1,141,284.01	47,177,499.99	3,036,407.93
December 2022	51,388,875.70	1,086,937.43	46,685,151.62	2,932,099.22
January 2023	50,763,739.11	1,033,992.20	46,195,916.93	2,830,004.91
February 2023	50,143,892.12	982,427.77	45,709,777.09	2,730,098.15
March 2023	49,529,291.83	932,223.85	45,226,713.37	2,632,352.35
April 2023	48,919,895.70	883,360.40	44,746,707.15	2,536,741.20
May 2023	48,315,661.49	835,817.64	44,269,739.92	2,443,238.67
June 2023	47,716,547.35	789,575.99	43,795,793.28	2,351,818.99
July 2023	47,122,511.72	744,616.14	43,324,848.94	2,262,456.63
August 2023	46,533,513.39	700,919.01	42,856,888.74	2,175,126.33
September 2023	45,949,511.47	658,465.75	42,391,894.59	2,089,803.11
October 2023	45,370,465.40	617,237.73	41,929,848.54	2,006,462.21
November 2023	44,796,334.96	577,216.55	41,470,732.73	1,925,079.14
December 2023	44,227,080.21	538,384.05	41,014,529.42	1,845,629.67
January 2024	43,662,661.56	500,722.29	40,561,220.96	1,768,089.80
February 2024	43,103,039.73	464,213.52	40,110,789.82	1,692,435.77
March 2024	42,548,175.75	428,840.25	39,663,218.57	1,618,644.09
April 2024	41,998,030.96	394,585.17	39,218,489.88	1,546,691.50
May 2024	41,452,567.00	361,431.21	38,776,586.52	1,476,554.96
June 2024	40,911,745.82	329,361.50	38,337,491.38	1,408,211.68
July 2024	40,375,529.69	298,359.36	37,901,187.44	1,341,639.11
August 2024	39,843,881.16	268,408.35	37,467,657.78	1,276,814.92
September 2024	39,316,763.08	239,492.20	37,036,885.59	1,213,717.02
October 2024	38,794,138.62	211,594.86	36,608,854.15	1,152,323.54
November 2024	38,275,971.20	184,700.49	36,183,546.84	1,092,612.85
December 2024	37,762,224.57	158,793.41	35,760,947.15	1,034,563.52
January 2025	37,252,862.76	133,858.16	35,341,038.67	978,154.35
February 2025	36,747,850.07	109,879.49	34,923,805.07	923,364.37
March 2025	36,247,151.11	86,842.29	34,509,230.14	870,172.81
April 2025	35,750,730.74	64,731.69	34,097,297.75	818,559.12
May 2025	35,258,554.14	43,532.96	33,687,991.87	768,502.98
June 2025	34,770,586.73	23,231.59	33,281,296.56	719,984.28
July 2025	34,286,794.24	3,813.23	32,877,196.01	672,983.06
August 2025	33,807,142.64	0.00	32,475,674.45	627,479.66
September 2025	33,331,598.18	0.00	32,076,716.24	583,454.56
October 2025	32,860,127.41	0.00	31,680,305.83	540,888.46
November 2025	32,392,697.11	0.00	31,286,427.76	499,762.26
December 2025	31,929,274.34	0.00	30,895,066.66	460,057.06
January 2026	31,469,826.41	0.00	30,506,207.25	421,754.16
February 2026	31,014,320.92	0.00	30,119,834.34	384,835.07
March 2026	30,562,725.70	0.00	29,735,932.84	349,281.46
April 2026	30,115,008.85	0.00	29,354,487.75	315,075.21
May 2026	29,671,138.72	0.00	28,975,484.15	282,198.40
June 2026	29,231,083.91	0.00	28,598,907.21	250,633.28
July 2026	28,794,813.28	0.00	28,224,742.20	220,362.30
August 2026	28,362,295.93	0.00	27,852,974.46	191,368.09

<u>Distribution Date</u>	<u>Classes PA and PL (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JA and JK (in the aggregate)</u>	<u>Classes JL and JM (in the aggregate)</u>
September 2026	\$27,933,501.21	\$ 0.00	\$27,483,589.45	\$ 163,633.45
October 2026	27,508,398.72	0.00	27,116,572.68	137,141.38
November 2026	27,089,183.60	0.00	26,751,909.76	111,875.06
December 2026	26,676,006.65	0.00	26,389,586.39	88,076.32
January 2027	26,268,783.66	0.00	26,029,588.37	67,158.97
February 2027	25,867,431.56	0.00	25,671,901.55	49,069.36
March 2027	25,471,868.42	0.00	25,316,511.89	33,754.59
April 2027	25,082,013.45	0.00	24,963,405.42	21,162.54
May 2027	24,697,786.93	0.00	24,612,568.27	11,241.86
June 2027	24,319,110.27	0.00	24,263,986.65	3,941.91
July 2027	23,945,905.91	0.00	23,917,646.83	0.00
August 2027	23,578,097.40	0.00	23,573,535.20	0.00
September 2027	23,215,609.31	0.00	23,231,904.17	0.00
October 2027	22,858,367.23	0.00	22,894,899.90	0.00
November 2027	22,506,297.80	0.00	22,562,462.00	0.00
December 2027	22,159,328.66	0.00	22,234,530.83	0.00
January 2028	21,817,388.41	0.00	21,911,047.53	0.00
February 2028	21,480,406.67	0.00	21,591,953.99	0.00
March 2028	21,148,314.00	0.00	21,277,192.83	0.00
April 2028	20,821,041.91	0.00	20,966,707.42	0.00
May 2028	20,498,522.86	0.00	20,660,441.85	0.00
June 2028	20,180,690.24	0.00	20,358,340.92	0.00
July 2028	19,867,478.34	0.00	20,060,350.14	0.00
August 2028	19,558,822.36	0.00	19,766,415.70	0.00
September 2028	19,254,658.39	0.00	19,476,484.52	0.00
October 2028	18,954,923.38	0.00	19,190,504.15	0.00
November 2028	18,659,555.18	0.00	18,908,422.84	0.00
December 2028	18,368,492.47	0.00	18,630,189.51	0.00
January 2029	18,081,674.76	0.00	18,355,753.70	0.00
February 2029	17,799,042.42	0.00	18,085,065.63	0.00
March 2029	17,520,536.63	0.00	17,818,076.15	0.00
April 2029	17,246,099.35	0.00	17,554,736.72	0.00
May 2029	16,975,673.39	0.00	17,294,999.44	0.00
June 2029	16,709,202.30	0.00	17,038,817.03	0.00
July 2029	16,446,630.42	0.00	16,786,142.80	0.00
August 2029	16,187,902.87	0.00	16,536,930.66	0.00
September 2029	15,932,965.51	0.00	16,291,135.12	0.00
October 2029	15,681,764.95	0.00	16,048,711.26	0.00
November 2029	15,434,248.53	0.00	15,809,614.77	0.00
December 2029	15,190,364.32	0.00	15,573,801.86	0.00
January 2030	14,950,061.10	0.00	15,341,229.33	0.00
February 2030	14,713,288.37	0.00	15,111,854.54	0.00
March 2030	14,479,996.29	0.00	14,885,635.38	0.00
April 2030	14,250,135.75	0.00	14,662,530.30	0.00
May 2030	14,023,658.29	0.00	14,442,498.25	0.00
June 2030	13,800,516.13	0.00	14,225,498.75	0.00
July 2030	13,580,662.13	0.00	14,011,491.81	0.00
August 2030	13,364,049.82	0.00	13,800,437.97	0.00

<u>Distribution Date</u>	<u>Classes PA and PL (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JA and JK (in the aggregate)</u>	<u>Classes JL and JM (in the aggregate)</u>
September 2030	\$13,150,633.37	\$ 0.00	\$13,592,298.26	\$ 0.00
October 2030	12,940,367.57	0.00	13,387,034.23	0.00
November 2030	12,733,207.83	0.00	13,184,607.92	0.00
December 2030	12,529,110.20	0.00	12,984,981.84	0.00
January 2031	12,328,031.31	0.00	12,788,119.01	0.00
February 2031	12,129,928.41	0.00	12,593,982.90	0.00
March 2031	11,934,759.32	0.00	12,402,537.48	0.00
April 2031	11,742,482.45	0.00	12,213,747.15	0.00
May 2031	11,553,056.80	0.00	12,027,576.79	0.00
June 2031	11,366,441.92	0.00	11,843,991.73	0.00
July 2031	11,182,597.91	0.00	11,662,957.74	0.00
August 2031	11,001,485.45	0.00	11,484,441.03	0.00
September 2031	10,823,065.74	0.00	11,308,408.26	0.00
October 2031	10,647,300.52	0.00	11,134,826.50	0.00
November 2031	10,474,152.08	0.00	10,963,663.26	0.00
December 2031	10,303,583.19	0.00	10,794,886.46	0.00
January 2032	10,135,557.18	0.00	10,628,464.44	0.00
February 2032	9,970,037.86	0.00	10,464,365.94	0.00
March 2032	9,806,989.55	0.00	10,302,560.11	0.00
April 2032	9,646,377.06	0.00	10,143,016.49	0.00
May 2032	9,488,165.70	0.00	9,985,705.04	0.00
June 2032	9,332,321.24	0.00	9,830,596.07	0.00
July 2032	9,178,809.94	0.00	9,677,660.29	0.00
August 2032	9,027,598.53	0.00	9,526,868.79	0.00
September 2032	8,878,654.18	0.00	9,378,193.04	0.00
October 2032	8,731,944.54	0.00	9,231,604.87	0.00
November 2032	8,587,437.69	0.00	9,087,076.48	0.00
December 2032	8,445,102.17	0.00	8,944,580.41	0.00
January 2033	8,304,906.94	0.00	8,804,089.57	0.00
February 2033	8,166,821.41	0.00	8,665,577.24	0.00
March 2033	8,030,815.40	0.00	8,529,017.01	0.00
April 2033	7,896,859.15	0.00	8,394,382.84	0.00
May 2033	7,764,923.31	0.00	8,261,649.00	0.00
June 2033	7,634,978.95	0.00	8,130,790.11	0.00
July 2033	7,506,997.54	0.00	8,001,781.13	0.00
August 2033	7,380,950.93	0.00	7,874,597.32	0.00
September 2033	7,256,811.39	0.00	7,749,214.27	0.00
October 2033	7,134,551.56	0.00	7,625,607.90	0.00
November 2033	7,014,144.44	0.00	7,503,754.42	0.00
December 2033	6,895,563.45	0.00	7,383,630.36	0.00
January 2034	6,778,782.35	0.00	7,265,212.55	0.00
February 2034	6,663,775.26	0.00	7,148,478.13	0.00
March 2034	6,550,516.69	0.00	7,033,404.53	0.00
April 2034	6,438,981.47	0.00	6,919,969.47	0.00
May 2034	6,329,144.81	0.00	6,808,150.96	0.00
June 2034	6,220,982.25	0.00	6,697,927.30	0.00
July 2034	6,114,469.68	0.00	6,589,277.07	0.00
August 2034	6,009,583.32	0.00	6,482,179.13	0.00

<u>Distribution Date</u>	<u>Classes PA and PL (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JA and JK (in the aggregate)</u>	<u>Classes JL and JM (in the aggregate)</u>
September 2034	\$ 5,906,299.72	\$ 0.00	\$ 6,376,612.60	\$ 0.00
October 2034	5,804,595.75	0.00	6,272,556.91	0.00
November 2034	5,704,448.63	0.00	6,169,991.70	0.00
December 2034	5,605,835.88	0.00	6,068,896.93	0.00
January 2035	5,508,735.32	0.00	5,969,252.79	0.00
February 2035	5,413,125.12	0.00	5,871,039.73	0.00
March 2035	5,318,983.70	0.00	5,774,238.47	0.00
April 2035	5,226,289.84	0.00	5,678,829.95	0.00
May 2035	5,135,022.57	0.00	5,584,795.40	0.00
June 2035	5,045,161.23	0.00	5,492,116.26	0.00
July 2035	4,956,685.47	0.00	5,400,774.24	0.00
August 2035	4,869,575.19	0.00	5,310,751.25	0.00
September 2035	4,783,810.60	0.00	5,222,029.48	0.00
October 2035	4,699,372.16	0.00	5,134,591.31	0.00
November 2035	4,616,240.62	0.00	5,048,419.39	0.00
December 2035	4,534,397.01	0.00	4,963,496.58	0.00
January 2036	4,453,822.60	0.00	4,879,805.94	0.00
February 2036	4,374,498.94	0.00	4,797,330.79	0.00
March 2036	4,296,407.84	0.00	4,716,054.64	0.00
April 2036	4,219,531.36	0.00	4,635,961.23	0.00
May 2036	4,143,851.80	0.00	4,557,034.51	0.00
June 2036	4,069,351.74	0.00	4,479,258.64	0.00
July 2036	3,996,013.97	0.00	4,402,617.97	0.00
August 2036	3,923,821.54	0.00	4,327,097.09	0.00
September 2036	3,852,757.74	0.00	4,252,680.75	0.00
October 2036	3,782,806.08	0.00	4,179,353.94	0.00
November 2036	3,713,950.33	0.00	4,107,101.82	0.00
December 2036	3,646,174.45	0.00	4,035,909.74	0.00
January 2037	3,579,462.65	0.00	3,965,763.27	0.00
February 2037	3,513,799.37	0.00	3,896,648.15	0.00
March 2037	3,449,169.24	0.00	3,828,550.30	0.00
April 2037	3,385,557.14	0.00	3,761,455.84	0.00
May 2037	3,322,948.13	0.00	3,695,351.06	0.00
June 2037	3,261,327.51	0.00	3,630,222.44	0.00
July 2037	3,200,680.77	0.00	3,566,056.64	0.00
August 2037	3,140,993.61	0.00	3,502,840.48	0.00
September 2037	3,082,251.92	0.00	3,440,560.96	0.00
October 2037	3,024,441.82	0.00	3,379,205.25	0.00
November 2037	2,967,549.58	0.00	3,318,760.70	0.00
December 2037	2,911,561.71	0.00	3,259,214.81	0.00
January 2038	2,856,464.89	0.00	3,200,555.25	0.00
February 2038	2,802,245.97	0.00	3,142,769.85	0.00
March 2038	2,748,892.02	0.00	3,085,846.62	0.00
April 2038	2,696,390.28	0.00	3,029,773.69	0.00
May 2038	2,644,728.15	0.00	2,974,539.38	0.00
June 2038	2,593,893.24	0.00	2,920,132.15	0.00
July 2038	2,543,873.31	0.00	2,866,540.61	0.00
August 2038	2,494,656.32	0.00	2,813,753.52	0.00

<u>Distribution Date</u>	<u>Classes PA and PL (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JA and JK (in the aggregate)</u>	<u>Classes JL and JM (in the aggregate)</u>
September 2038	\$ 2,446,230.37	\$ 0.00	\$ 2,761,759.80	\$ 0.00
October 2038	2,398,583.75	0.00	2,710,548.50	0.00
November 2038	2,351,704.91	0.00	2,660,108.83	0.00
December 2038	2,305,582.47	0.00	2,610,430.12	0.00
January 2039	2,260,205.19	0.00	2,561,501.87	0.00
February 2039	2,215,562.01	0.00	2,513,313.69	0.00
March 2039	2,171,642.03	0.00	2,465,855.35	0.00
April 2039	2,128,434.48	0.00	2,419,116.74	0.00
May 2039	2,085,928.78	0.00	2,373,087.90	0.00
June 2039	2,044,114.46	0.00	2,327,758.98	0.00
July 2039	2,002,981.23	0.00	2,283,120.28	0.00
August 2039	1,962,518.94	0.00	2,239,162.21	0.00
September 2039	1,922,717.56	0.00	2,195,875.33	0.00
October 2039	1,883,567.24	0.00	2,153,250.30	0.00
November 2039	1,845,058.24	0.00	2,111,277.92	0.00
December 2039	1,807,180.98	0.00	2,069,949.11	0.00
January 2040	1,769,926.00	0.00	2,029,254.90	0.00
February 2040	1,733,283.99	0.00	1,989,186.46	0.00
March 2040	1,697,245.76	0.00	1,949,735.05	0.00
April 2040	1,661,802.26	0.00	1,910,892.06	0.00
May 2040	1,626,944.57	0.00	1,872,649.00	0.00
June 2040	1,592,663.88	0.00	1,834,997.50	0.00
July 2040	1,558,951.53	0.00	1,797,929.26	0.00
August 2040	1,525,798.97	0.00	1,761,436.14	0.00
September 2040	1,493,197.77	0.00	1,725,510.07	0.00
October 2040	1,461,139.63	0.00	1,690,143.12	0.00
November 2040	1,429,616.37	0.00	1,655,327.44	0.00
December 2040	1,398,619.91	0.00	1,621,055.30	0.00
January 2041	1,368,142.30	0.00	1,587,319.06	0.00
February 2041	1,338,175.71	0.00	1,554,111.19	0.00
March 2041	1,308,712.40	0.00	1,521,424.26	0.00
April 2041	1,279,744.76	0.00	1,489,250.94	0.00
May 2041	1,251,265.29	0.00	1,457,584.00	0.00
June 2041	1,223,266.58	0.00	1,426,416.29	0.00
July 2041	1,195,741.35	0.00	1,395,740.77	0.00
August 2041	1,168,682.40	0.00	1,365,550.50	0.00
September 2041	1,142,082.65	0.00	1,335,838.61	0.00
October 2041	1,115,935.12	0.00	1,306,598.35	0.00
November 2041	1,090,232.93	0.00	1,277,823.05	0.00
December 2041	1,064,969.29	0.00	1,249,506.11	0.00
January 2042	1,040,137.52	0.00	1,221,641.04	0.00
February 2042	1,015,731.03	0.00	1,194,221.43	0.00
March 2042	991,743.32	0.00	1,167,240.96	0.00
April 2042	968,167.99	0.00	1,140,693.39	0.00
May 2042	944,998.75	0.00	1,114,572.57	0.00
June 2042	922,229.36	0.00	1,088,872.41	0.00
July 2042	899,853.70	0.00	1,063,586.94	0.00
August 2042	877,865.73	0.00	1,038,710.24	0.00

<u>Distribution Date</u>	<u>Classes PA and PL (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JA and JK (in the aggregate)</u>	<u>Classes JL and JM (in the aggregate)</u>
September 2042	\$ 856,259.51	\$ 0.00	\$ 1,014,236.47	\$ 0.00
October 2042	835,029.16	0.00	990,159.89	0.00
November 2042	814,168.91	0.00	966,474.82	0.00
December 2042	793,673.06	0.00	943,175.66	0.00
January 2043	773,535.99	0.00	920,256.89	0.00
February 2043	753,752.17	0.00	897,713.05	0.00
March 2043	734,316.15	0.00	875,538.77	0.00
April 2043	715,222.55	0.00	853,728.75	0.00
May 2043	696,466.09	0.00	832,277.75	0.00
June 2043	678,041.53	0.00	811,180.61	0.00
July 2043	659,943.74	0.00	790,432.24	0.00
August 2043	642,167.64	0.00	770,027.61	0.00
September 2043	624,708.25	0.00	749,961.78	0.00
October 2043	607,560.65	0.00	730,229.84	0.00
November 2043	590,719.97	0.00	710,826.99	0.00
December 2043	574,181.45	0.00	691,748.45	0.00
January 2044	557,940.36	0.00	672,989.54	0.00
February 2044	541,992.08	0.00	654,545.63	0.00
March 2044	526,332.02	0.00	636,412.14	0.00
April 2044	510,955.69	0.00	618,584.58	0.00
May 2044	495,858.63	0.00	601,058.51	0.00
June 2044	481,036.47	0.00	583,829.53	0.00
July 2044	466,484.91	0.00	566,893.32	0.00
August 2044	452,199.68	0.00	550,245.62	0.00
September 2044	438,176.61	0.00	533,882.21	0.00
October 2044	424,411.57	0.00	517,798.96	0.00
November 2044	410,900.49	0.00	501,991.76	0.00
December 2044	397,639.37	0.00	486,456.57	0.00
January 2045	384,624.26	0.00	471,189.42	0.00
February 2045	371,851.27	0.00	456,186.37	0.00
March 2045	359,316.57	0.00	441,443.54	0.00
April 2045	347,016.39	0.00	426,957.12	0.00
May 2045	334,947.00	0.00	412,723.34	0.00
June 2045	323,104.74	0.00	398,738.47	0.00
July 2045	311,486.00	0.00	384,998.84	0.00
August 2045	300,087.22	0.00	371,500.84	0.00
September 2045	288,904.89	0.00	358,240.90	0.00
October 2045	277,935.57	0.00	345,215.49	0.00
November 2045	267,175.84	0.00	332,421.15	0.00
December 2045	256,622.35	0.00	319,854.45	0.00
January 2046	246,271.81	0.00	307,512.02	0.00
February 2046	236,120.96	0.00	295,390.52	0.00
March 2046	226,166.59	0.00	283,486.66	0.00
April 2046	216,405.53	0.00	271,797.21	0.00
May 2046	206,834.69	0.00	260,318.97	0.00
June 2046	197,451.00	0.00	249,048.79	0.00
July 2046	188,251.43	0.00	237,983.56	0.00
August 2046	179,233.00	0.00	227,120.21	0.00

<u>Distribution Date</u>	<u>Classes PA and PL (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JA and JK (in the aggregate)</u>	<u>Classes JL and JM (in the aggregate)</u>
September 2046	\$ 170,392.80	\$ 0.00	\$ 216,455.72	\$ 0.00
October 2046	161,727.92	0.00	205,987.10	0.00
November 2046	153,235.53	0.00	195,711.42	0.00
December 2046	144,912.83	0.00	185,625.78	0.00
January 2047	136,757.04	0.00	175,727.31	0.00
February 2047	128,765.46	0.00	166,013.19	0.00
March 2047	120,935.39	0.00	156,480.65	0.00
April 2047	113,264.22	0.00	147,126.93	0.00
May 2047	105,749.33	0.00	137,949.34	0.00
June 2047	98,388.16	0.00	128,945.20	0.00
July 2047	91,178.19	0.00	120,111.88	0.00
August 2047	84,116.94	0.00	111,446.79	0.00
September 2047	77,201.95	0.00	102,947.36	0.00
October 2047	70,430.83	0.00	94,611.09	0.00
November 2047	63,801.19	0.00	86,435.46	0.00
December 2047	57,310.69	0.00	78,418.04	0.00
January 2048	50,957.03	0.00	70,556.41	0.00
February 2048	44,737.94	0.00	62,848.17	0.00
March 2048	38,651.19	0.00	55,290.97	0.00
April 2048	32,694.57	0.00	47,882.50	0.00
May 2048	26,865.92	0.00	40,620.47	0.00
June 2048	21,163.10	0.00	33,502.61	0.00
July 2048	15,584.00	0.00	26,526.72	0.00
August 2048	10,126.56	0.00	19,690.58	0.00
September 2048	4,788.73	0.00	12,992.05	0.00
October 2048	0.00	0.00	6,428.98	0.00
November 2048 and thereafter	0.00	0.00	0.00	0.00

<u>Distribution Date</u>	<u>Class G</u>	<u>Classes LA, LB and LF (in the aggregate)</u>	<u>Classes CA and CB (in the aggregate)</u>
Initial Balance	\$31,384,445.00	\$53,951,629.00	\$187,764,000.00
February 2019	31,265,028.63	53,801,355.99	187,233,824.93
March 2019	31,132,586.55	53,633,141.17	186,611,160.13
April 2019	30,987,165.32	53,447,049.74	185,896,189.69
May 2019	30,828,822.46	53,243,162.91	185,089,214.60
June 2019	30,657,626.40	53,021,577.89	184,190,653.10
July 2019	30,473,656.48	52,782,407.84	183,201,040.81
August 2019	30,277,002.87	52,525,781.78	182,121,030.55
September 2019	30,067,800.12	52,251,844.52	180,951,391.98
October 2019	29,847,314.39	51,960,756.52	179,693,010.98
November 2019	29,615,659.40	51,652,693.76	178,346,888.71
December 2019	29,372,957.48	51,327,847.55	176,914,140.53
January 2020	29,119,339.45	50,986,424.36	175,395,994.57
February 2020	28,854,944.50	50,628,645.59	173,793,790.14
March 2020	28,579,920.04	50,254,747.35	172,108,975.77
April 2020	28,294,421.59	49,864,980.18	170,343,107.19
May 2020	27,998,612.60	49,459,608.76	168,497,844.85
June 2020	27,692,664.25	49,038,911.62	166,574,951.39
July 2020	27,376,755.37	48,603,180.83	164,576,288.76
August 2020	27,051,072.14	48,152,721.59	162,503,815.18
September 2020	26,715,807.98	47,687,851.93	160,359,581.81
October 2020	26,371,163.30	47,208,902.28	158,145,729.31
November 2020	26,017,345.30	46,716,215.07	155,864,484.09
December 2020	25,654,567.72	46,210,144.30	153,518,154.43
January 2021	25,283,050.65	45,691,055.09	151,109,126.35
February 2021	24,903,020.26	45,159,323.23	148,639,859.42
March 2021	24,514,708.55	44,615,334.71	146,112,882.24
April 2021	24,118,353.10	44,059,485.17	143,530,787.88
May 2021	23,725,001.02	43,492,179.47	140,896,229.15
June 2021	23,334,626.87	42,930,150.66	138,211,913.73
July 2021	22,947,205.37	42,373,347.14	135,563,701.69
August 2021	22,562,711.49	41,821,717.81	132,951,082.47
September 2021	22,181,120.35	41,275,212.03	130,373,552.47
October 2021	21,802,407.28	40,733,779.63	127,830,615.02
November 2021	21,426,547.81	40,197,370.92	125,321,780.25
December 2021	21,053,517.64	39,665,936.65	122,846,565.04
January 2022	20,683,292.67	39,139,428.06	120,404,492.86
February 2022	20,315,848.98	38,617,796.82	117,995,093.73
March 2022	19,951,162.86	38,100,995.06	115,617,904.12
April 2022	19,589,210.75	37,588,975.35	113,272,466.87
May 2022	19,229,969.29	37,081,690.71	110,958,331.06
June 2022	18,873,415.30	36,579,094.60	108,675,051.99
July 2022	18,519,525.78	36,081,140.89	106,422,191.05
August 2022	18,168,277.91	35,587,783.91	104,199,315.64
September 2022	17,819,649.05	35,098,978.40	102,005,999.10
October 2022	17,473,616.71	34,614,679.51	99,841,820.64
November 2022	17,130,158.61	34,134,842.84	97,706,365.23

<u>Distribution Date</u>	<u>Class G</u>	<u>Classes LA, LB and LF (in the aggregate)</u>	<u>Classes CA and CB (in the aggregate)</u>
December 2022	\$16,789,252.62	\$33,659,424.37	\$ 95,599,223.52
January 2023	16,450,876.79	33,188,380.52	93,519,991.82
February 2023	16,115,009.34	32,721,668.08	91,468,271.94
March 2023	15,781,628.64	32,259,244.27	89,443,671.18
April 2023	15,450,713.27	31,801,066.70	87,445,802.21
May 2023	15,122,241.93	31,347,093.38	85,474,283.04
June 2023	14,796,193.50	30,897,282.70	83,528,736.91
July 2023	14,472,547.04	30,451,593.45	81,608,792.23
August 2023	14,151,281.75	30,009,984.79	79,714,082.51
September 2023	13,832,376.99	29,572,416.27	77,844,246.30
October 2023	13,515,812.31	29,138,847.81	75,998,927.10
November 2023	13,201,567.40	28,709,239.71	74,177,773.32
December 2023	12,889,622.08	28,283,552.63	72,387,675.33
January 2024	12,579,956.35	27,861,747.61	70,640,099.16
February 2024	12,272,550.37	27,443,786.04	68,934,046.29
March 2024	11,967,384.46	27,029,629.68	67,268,541.40
April 2024	11,664,439.06	26,619,240.63	65,642,631.92
May 2024	11,363,694.79	26,212,581.36	64,055,387.44
June 2024	11,065,132.39	25,809,614.67	62,505,899.25
July 2024	10,768,732.78	25,410,303.73	60,993,279.79
August 2024	10,474,477.01	25,014,612.03	59,516,662.19
September 2024	10,184,447.09	24,622,503.42	58,075,199.79
October 2024	9,901,989.92	24,233,942.07	56,668,065.66
November 2024	9,626,908.67	23,848,892.49	55,294,452.13
December 2024	9,359,011.58	23,467,319.51	53,953,570.40
January 2025	9,098,111.84	23,089,188.31	52,644,650.03
February 2025	8,844,027.45	22,716,165.54	51,366,938.57
March 2025	8,596,581.10	22,348,921.31	50,119,701.13
April 2025	8,355,600.03	21,987,368.38	48,902,219.93
May 2025	8,120,915.97	21,631,420.78	47,713,793.99
June 2025	7,892,364.95	21,280,993.82	46,553,738.65
July 2025	7,669,787.25	20,936,004.10	45,421,385.25
August 2025	7,453,027.27	20,596,369.41	44,316,080.75
September 2025	7,241,933.42	20,262,008.80	43,237,187.34
October 2025	7,036,358.01	19,932,842.52	42,184,082.12
November 2025	6,836,157.18	19,608,791.98	41,156,156.73
December 2025	6,641,190.76	19,289,779.78	40,152,817.04
January 2026	6,451,322.21	18,975,729.67	39,173,482.78
February 2026	6,266,418.53	18,666,566.54	38,217,587.27
March 2026	6,086,350.14	18,362,216.37	37,284,577.05
April 2026	5,910,990.79	18,062,606.27	36,373,911.62
May 2026	5,740,217.51	17,767,664.42	35,485,063.10
June 2026	5,573,910.52	17,477,320.08	34,617,515.97
July 2026	5,411,953.10	17,191,503.55	33,770,766.78
August 2026	5,254,231.59	16,910,146.18	32,944,323.83
September 2026	5,100,635.22	16,633,180.34	32,137,706.94
October 2026	4,951,056.12	16,360,539.40	31,350,447.18

<u>Distribution Date</u>	<u>Class G</u>	<u>Classes LA, LB and LF (in the aggregate)</u>	<u>Classes CA and CB (in the aggregate)</u>
November 2026	\$ 4,805,389.19	\$16,092,157.72	\$ 30,582,086.57
December 2026	4,663,532.07	15,827,970.67	29,832,177.89
January 2027	4,525,385.02	15,567,914.53	29,100,284.36
February 2027	4,390,850.90	15,311,926.58	28,385,979.45
March 2027	4,259,835.08	15,059,945.01	27,688,846.61
April 2027	4,132,245.37	14,811,908.93	27,008,479.06
May 2027	4,007,991.99	14,567,758.36	26,344,479.55
June 2027	3,886,987.45	14,327,434.24	25,696,460.13
July 2027	3,769,146.56	14,090,878.35	25,064,041.97
August 2027	3,654,386.32	13,858,033.36	24,446,855.10
September 2027	3,542,625.87	13,628,842.80	23,844,538.24
October 2027	3,433,786.47	13,403,251.05	23,256,738.58
November 2027	3,327,791.41	13,181,203.28	22,683,111.59
December 2027	3,224,565.95	12,962,645.54	22,123,320.83
January 2028	3,124,037.33	12,747,524.63	21,577,037.74
February 2028	3,026,134.63	12,535,788.17	21,043,941.50
March 2028	2,930,788.80	12,327,384.57	20,523,718.79
April 2028	2,837,932.58	12,122,263.00	20,016,063.68
May 2028	2,747,500.44	11,920,373.39	19,520,677.42
June 2028	2,659,428.57	11,721,666.42	19,037,268.26
July 2028	2,573,654.79	11,526,093.50	18,565,551.33
August 2028	2,490,118.56	11,333,606.80	18,105,248.44
September 2028	2,408,760.91	11,144,159.15	17,656,087.95
October 2028	2,329,524.39	10,957,704.14	17,217,804.60
November 2028	2,252,353.04	10,774,196.01	16,790,139.39
December 2028	2,177,192.38	10,593,589.73	16,372,839.37
January 2029	2,103,989.31	10,415,840.90	15,965,657.60
February 2029	2,032,692.14	10,240,905.82	15,568,352.89
March 2029	1,963,250.50	10,068,741.42	15,180,689.79
April 2029	1,895,615.36	9,899,305.30	14,802,438.34
May 2029	1,829,738.94	9,732,555.66	14,433,374.02
June 2029	1,765,574.72	9,568,451.36	14,073,277.62
July 2029	1,703,077.37	9,406,951.86	13,721,935.05
August 2029	1,642,202.76	9,248,017.24	13,379,137.29
September 2029	1,582,907.91	9,091,608.16	13,044,680.26
October 2029	1,525,150.94	8,937,685.89	12,718,364.67
November 2029	1,468,891.08	8,786,212.26	12,399,995.94
December 2029	1,414,088.60	8,637,149.70	12,089,384.07
January 2030	1,360,704.84	8,490,461.18	11,786,343.55
February 2030	1,308,702.12	8,346,110.24	11,490,693.26
March 2030	1,258,043.76	8,204,060.96	11,202,256.33
April 2030	1,208,694.01	8,064,277.96	10,920,860.09
May 2030	1,160,618.07	7,926,726.40	10,646,335.93
June 2030	1,113,782.07	7,791,371.95	10,378,519.24
July 2030	1,068,152.98	7,658,180.81	10,117,249.28
August 2030	1,023,698.66	7,527,119.68	9,862,369.13
September 2030	980,387.81	7,398,155.76	9,613,725.56

<u>Distribution Date</u>	<u>Class G</u>	<u>Classes LA, LB and LF (in the aggregate)</u>	<u>Classes CA and CB (in the aggregate)</u>
October 2030	\$ 938,189.93	\$ 7,271,256.75	\$ 9,371,168.96
November 2030	897,075.33	7,146,390.82	9,134,553.30
December 2030	857,015.11	7,023,526.65	8,903,735.94
January 2031	817,981.08	6,902,633.36	8,678,577.68
February 2031	779,945.83	6,783,680.55	8,458,942.57
March 2031	742,882.65	6,666,638.27	8,244,697.89
April 2031	706,765.54	6,551,477.04	8,035,714.07
May 2031	671,569.15	6,438,167.79	7,831,864.60
June 2031	637,268.84	6,326,681.93	7,633,025.99
July 2031	603,840.56	6,216,991.27	7,439,077.64
August 2031	571,260.94	6,109,068.04	7,249,901.84
September 2031	539,507.18	6,002,884.93	7,065,383.65
October 2031	508,557.12	5,898,415.00	6,885,410.87
November 2031	478,389.14	5,795,631.73	6,709,873.95
December 2031	448,982.22	5,694,509.01	6,538,665.96
January 2032	420,315.86	5,595,021.11	6,371,682.49
February 2032	392,370.12	5,497,142.69	6,208,821.61
March 2032	365,125.57	5,400,848.81	6,049,983.82
April 2032	338,563.31	5,306,114.89	5,895,071.97
May 2032	312,664.90	5,212,916.73	5,743,991.24
June 2032	287,412.42	5,121,230.47	5,596,649.04
July 2032	262,788.39	5,031,032.66	5,452,955.00
August 2032	238,775.82	4,942,300.16	5,312,820.89
September 2032	215,358.15	4,855,010.20	5,176,160.59
October 2032	192,519.24	4,769,140.35	5,042,890.00
November 2032	170,243.40	4,684,668.52	4,912,927.05
December 2032	148,515.34	4,601,572.97	4,786,191.63
January 2033	127,320.17	4,519,832.25	4,662,605.51
February 2033	106,643.40	4,439,425.28	4,542,092.35
March 2033	86,470.91	4,360,331.27	4,424,577.60
April 2033	66,788.97	4,282,529.75	4,309,988.52
May 2033	47,584.18	4,206,000.57	4,198,254.09
June 2033	28,843.53	4,130,723.88	4,089,304.98
July 2033	10,554.32	4,056,680.13	3,983,073.51
August 2033	0.00	3,983,850.06	3,879,493.63
September 2033	0.00	3,912,214.72	3,778,500.86
October 2033	0.00	3,841,755.43	3,680,032.27
November 2033	0.00	3,772,453.80	3,584,026.41
December 2033	0.00	3,704,291.72	3,490,423.31
January 2034	0.00	3,637,251.37	3,399,164.45
February 2034	0.00	3,571,315.17	3,310,192.69
March 2034	0.00	3,506,465.83	3,223,452.25
April 2034	0.00	3,442,686.31	3,138,888.71
May 2034	0.00	3,379,959.84	3,056,448.94
June 2034	0.00	3,318,269.90	2,976,081.08
July 2034	0.00	3,257,600.22	2,897,734.51
August 2034	0.00	3,197,934.79	2,821,359.82

<u>Distribution Date</u>	<u>Class G</u>	<u>Classes LA, LB and LF (in the aggregate)</u>	<u>Classes CA and CB (in the aggregate)</u>
September 2034	\$ 0.00	\$ 3,139,257.82	\$ 2,746,908.81
October 2034	0.00	3,081,553.78	2,674,334.40
November 2034	0.00	3,024,807.36	2,603,590.66
December 2034	0.00	2,969,003.52	2,534,632.77
January 2035	0.00	2,914,127.39	2,467,416.96
February 2035	0.00	2,860,164.39	2,401,900.52
March 2035	0.00	2,807,100.11	2,338,041.79
April 2035	0.00	2,754,920.40	2,275,800.07
May 2035	0.00	2,703,611.29	2,215,135.68
June 2035	0.00	2,653,159.06	2,156,009.86
July 2035	0.00	2,603,550.16	2,098,384.79
August 2035	0.00	2,554,771.29	2,042,223.59
September 2035	0.00	2,506,809.32	1,987,490.22
October 2035	0.00	2,459,651.34	1,934,149.54
November 2035	0.00	2,413,284.61	1,882,167.25
December 2035	0.00	2,367,696.63	1,831,509.87
January 2036	0.00	2,322,875.05	1,782,144.74
February 2036	0.00	2,278,807.73	1,734,039.96
March 2036	0.00	2,235,482.71	1,687,164.45
April 2036	0.00	2,192,888.21	1,641,487.82
May 2036	0.00	2,151,012.65	1,596,980.45
June 2036	0.00	2,109,844.59	1,553,613.44
July 2036	0.00	2,069,372.80	1,511,358.56
August 2036	0.00	2,029,586.21	1,470,188.29
September 2036	0.00	1,990,473.91	1,430,075.76
October 2036	0.00	1,952,025.18	1,390,994.75
November 2036	0.00	1,914,229.45	1,352,919.69
December 2036	0.00	1,877,076.30	1,315,825.60
January 2037	0.00	1,840,555.50	1,279,688.14
February 2037	0.00	1,804,656.96	1,244,483.53
March 2037	0.00	1,769,370.74	1,210,188.59
April 2037	0.00	1,734,687.05	1,176,780.68
May 2037	0.00	1,700,596.28	1,144,237.73
June 2037	0.00	1,667,088.94	1,112,538.19
July 2037	0.00	1,634,155.69	1,081,661.04
August 2037	0.00	1,601,787.34	1,051,585.77
September 2037	0.00	1,569,974.85	1,022,292.38
October 2037	0.00	1,538,709.29	993,761.32
November 2037	0.00	1,507,981.90	965,973.56
December 2037	0.00	1,477,784.03	938,910.51
January 2038	0.00	1,448,107.19	912,554.03
February 2038	0.00	1,418,943.00	886,886.43
March 2038	0.00	1,390,283.21	861,890.46
April 2038	0.00	1,362,119.71	837,549.26
May 2038	0.00	1,334,444.51	813,846.41
June 2038	0.00	1,307,249.74	790,765.89
July 2038	0.00	1,280,527.64	768,292.05

<u>Distribution Date</u>	<u>Class G</u>	<u>Classes LA, LB and LF (in the aggregate)</u>	<u>Classes CA and CB (in the aggregate)</u>
August 2038	\$ 0.00	\$ 1,254,270.61	\$ 746,409.64
September 2038	0.00	1,228,471.12	725,103.78
October 2038	0.00	1,203,121.78	704,359.95
November 2038	0.00	1,178,215.33	684,163.98
December 2038	0.00	1,153,744.59	664,502.06
January 2039	0.00	1,129,702.50	645,360.71
February 2039	0.00	1,106,082.14	626,726.78
March 2039	0.00	1,082,876.65	608,587.45
April 2039	0.00	1,060,079.30	590,930.20
May 2039	0.00	1,037,683.48	573,742.83
June 2039	0.00	1,015,682.66	557,013.43
July 2039	0.00	994,070.42	540,730.40
August 2039	0.00	972,840.44	524,882.40
September 2039	0.00	951,986.48	509,458.39
October 2039	0.00	931,502.43	494,447.59
November 2039	0.00	911,382.26	479,839.49
December 2039	0.00	891,620.02	465,623.83
January 2040	0.00	872,209.88	451,790.61
February 2040	0.00	853,146.07	438,330.09
March 2040	0.00	834,422.94	425,232.75
April 2040	0.00	816,034.91	412,489.30
May 2040	0.00	797,976.49	400,090.71
June 2040	0.00	780,242.28	388,028.14
July 2040	0.00	762,826.96	376,292.99
August 2040	0.00	745,725.29	364,876.87
September 2040	0.00	728,932.12	353,771.58
October 2040	0.00	712,442.38	342,969.15
November 2040	0.00	696,251.08	332,461.78
December 2040	0.00	680,353.29	322,241.89
January 2041	0.00	664,744.19	312,302.06
February 2041	0.00	649,419.01	302,635.09
March 2041	0.00	634,373.05	293,233.92
April 2041	0.00	619,601.71	284,091.70
May 2041	0.00	605,100.45	275,201.72
June 2041	0.00	590,864.79	266,557.46
July 2041	0.00	576,890.34	258,152.54
August 2041	0.00	563,172.76	249,980.77
September 2041	0.00	549,707.79	242,036.09
October 2041	0.00	536,491.23	234,312.60
November 2041	0.00	523,518.96	226,804.54
December 2041	0.00	510,786.91	219,506.31
January 2042	0.00	498,291.08	212,412.42
February 2042	0.00	486,027.53	205,517.56
March 2042	0.00	473,992.38	198,816.51
April 2042	0.00	462,181.83	192,304.21
May 2042	0.00	450,592.11	185,975.72
June 2042	0.00	439,219.53	179,826.21

<u>Distribution Date</u>	<u>Class G</u>	<u>Classes LA, LB and LF (in the aggregate)</u>	<u>Classes CA and CB (in the aggregate)</u>
July 2042	\$ 0.00	\$ 428,060.46	\$ 173,850.99
August 2042	0.00	417,111.32	168,045.48
September 2042	0.00	406,368.58	162,405.22
October 2042	0.00	395,828.78	156,925.85
November 2042	0.00	385,488.50	151,603.13
December 2042	0.00	375,344.39	146,432.92
January 2043	0.00	365,393.15	141,411.19
February 2043	0.00	355,631.52	136,534.02
March 2043	0.00	346,056.29	131,797.57
April 2043	0.00	336,664.33	127,198.10
May 2043	0.00	327,452.54	122,731.99
June 2043	0.00	318,417.85	118,395.68
July 2043	0.00	309,557.28	114,185.71
August 2043	0.00	300,867.86	110,098.71
September 2043	0.00	292,346.69	106,131.41
October 2043	0.00	283,990.91	102,280.59
November 2043	0.00	275,797.71	98,543.15
December 2043	0.00	267,764.31	94,916.03
January 2044	0.00	259,887.99	91,396.28
February 2044	0.00	252,166.06	87,981.01
March 2044	0.00	244,595.89	84,667.40
April 2044	0.00	237,174.88	81,452.72
May 2044	0.00	229,900.48	78,334.29
June 2044	0.00	222,770.16	75,309.51
July 2044	0.00	215,781.46	72,375.85
August 2044	0.00	208,931.94	69,530.82
September 2044	0.00	202,219.20	66,772.02
October 2044	0.00	195,640.89	64,097.10
November 2044	0.00	189,194.69	61,503.78
December 2044	0.00	182,878.31	58,989.84
January 2045	0.00	176,689.51	56,553.09
February 2045	0.00	170,626.09	54,191.42
March 2045	0.00	164,685.86	51,902.78
April 2045	0.00	158,866.69	49,685.16
May 2045	0.00	153,166.48	47,536.60
June 2045	0.00	147,583.15	45,455.20
July 2045	0.00	142,114.66	43,439.10
August 2045	0.00	136,759.02	41,486.50
September 2045	0.00	131,514.26	39,595.63
October 2045	0.00	126,378.42	37,764.78
November 2045	0.00	121,349.61	35,992.28
December 2045	0.00	116,425.95	34,276.51
January 2046	0.00	111,605.58	32,615.87
February 2046	0.00	106,886.70	31,008.83
March 2046	0.00	102,267.52	29,453.88
April 2046	0.00	97,746.27	27,949.57
May 2046	0.00	93,321.23	26,494.45

<u>Distribution Date</u>	<u>Class G</u>	<u>Classes LA, LB and LF (in the aggregate)</u>	<u>Classes CA and CB (in the aggregate)</u>
June 2046	\$ 0.00	\$ 88,990.70	\$ 25,087.16
July 2046	0.00	84,753.00	23,726.33
August 2046	0.00	80,606.48	22,410.64
September 2046	0.00	76,549.53	21,138.83
October 2046	0.00	72,580.55	19,909.63
November 2046	0.00	68,697.98	18,721.84
December 2046	0.00	64,900.27	17,574.27
January 2047	0.00	61,185.90	16,465.77
February 2047	0.00	57,553.39	15,395.22
March 2047	0.00	54,001.27	14,361.52
April 2047	0.00	50,528.10	13,363.62
May 2047	0.00	47,132.44	12,400.48
June 2047	0.00	43,812.92	11,471.09
July 2047	0.00	40,568.15	10,574.47
August 2047	0.00	37,396.78	9,709.68
September 2047	0.00	34,297.50	8,875.77
October 2047	0.00	31,268.98	8,071.84
November 2047	0.00	28,309.94	7,297.02
December 2047	0.00	25,419.13	6,550.46
January 2048	0.00	22,595.29	5,831.30
February 2048	0.00	19,837.21	5,138.75
March 2048	0.00	17,143.68	4,472.02
April 2048	0.00	14,513.52	3,830.34
May 2048	0.00	11,945.57	3,212.96
June 2048	0.00	9,438.68	2,619.15
July 2048	0.00	6,991.73	2,048.21
August 2048	0.00	4,603.61	1,499.44
September 2048	0.00	2,273.24	972.19
October 2048	0.00	0.00	465.79
November 2048 and thereafter	0.00	0.00	0.00

Underlying Certificates

Trust Asset Group or Subgroup	Issuer	Series	Class	Issue Date	CUSIP Number	Interest Rate	Interest Type	Final Distribution Date	Principal Type	Original Principal or Notional Balance of Class	Underlying Certificate Factor(2)	Principal or Notional Balance in Trust	Percentage of Class in Trust	Approximate Weighted Average Maturity of Mortgage Loans (in months)(3)	Approximate Weighted Average Loan Age of Mortgage Loans (in months)(3)	Ginnie Mae I or II
4	Ginnie Mae	2009-055	ND(4)	July 30, 2009	38374VPES	5.0%	FIX	June 2039	SC/PAC 1	\$ 22,866,000	0.81504609	\$ 4,730,764	25.3651709962%	235	116	II
4	Ginnie Mae	2009-061	HB(5)	August 28, 2009	38376FEK4	5.0	FIX	August 2039	PAC	39,040,000	0.68782837	13,474,558	50.1793032787	234	117	II
4	Ginnie Mae	2009-079	ME(5)	September 30, 2009	38376CXM6	5.0	FIX	September 2039	PAC 1	33,960,000	0.88182892	6,225,712	20.7891637220	239	112	II
5A	Ginnie Mae	2015-142	SK	October 30, 2015	38379CWF8	(6)	INV/IO	October 2045	NTL/PAC(AD)	22,333,857	0.65186104	14,597,682	100.0000000000	295	46	II
5B	Ginnie Mae	2015-158	SK	November 30, 2015	38379CWF8	(6)	INV/IO	November 2045	NTL/PT	53,333,333	0.61647348	12,329,469	37.5000002444	304	45	II
5C	Ginnie Mae	2018-164	AS	December 28, 2018	38381BD05	(6)	INV/IO	December 2048	NTL/PT	130,526,158	0.99823045	4,091,152	3.8306497921	357	2	II
6A	Ginnie Mae	2016-005	CS	January 29, 2016	38379TQP7	(6)	INV/IO	January 2046	NTL/PT	42,857,142	0.65174093	2,023,815	7.2455718116	316	39	II
6B	Ginnie Mae	2016-020	SN(5)	February 29, 2016	38379VEC4	(6)	INV/IO	February 2046	NTL/PT	45,654,765	0.66848010	12,032,641	39.4263337025	316	36	II
7	Ginnie Mae	2018-163	DA(7)	November 30, 2018	38381AZL3	4.5	FIX	August 2048	PAC/AD	40,000,000	0.99575770	39,830,308	100.0000000000	357	2	II
8	Ginnie Mae	2018-165	MF(5)	November 30, 2018	38381AA71	(6)	FLT	November 2048	PT	12,500,000	0.99729289	12,466,173	100.0000000000	357	2	II
10A	Ginnie Mae	2018-139	JP	October 30, 2018	38381ALX2	3.5	FIX	October 2048	PT	7,000,000	0.99612591	6,972,881	100.0000000000	351	8	II
10A	Ginnie Mae	2018-168	NT	November 30, 2018	38381AH66	3.5	FIX	November 2048	PT	5,000,000	0.99757573	4,987,879	100.0000000000	357	3	II
10B	Ginnie Mae	2018-134	MC(5)	December 28, 2018	38381IASP2	3.5	FIX	December 2048	PT	50,000,000	0.99874430	49,937,215	100.0000000000	357	3	II
10E	Ginnie Mae	2009-068	PB	October 30, 2018	38375AATL0	3.5	FIX	October 2048	PT	34,617,771	0.99065563	34,294,289	100.0000000000	357	3	II
10E	Ginnie Mae	2009-077	PE(5)	August 28, 2019	38375AVX4	5.0	FIX	July 2038	PAC	100,000,000	0.04325373	4,325,373	100.0000000000	(8)	(8)	II
10E	Ginnie Mae	2009-083	Y(5)	September 30, 2009	38376CQR3	5.0	FIX	September 2038	PAC 1	30,744,241	0.03132230	820,309	85.1844317770	237	114	II
10E	Ginnie Mae	2009-104	NB	September 29, 2009	38376CHP9	5.0	FIX	August 2038	PAC 1	95,034,000	0.09935823	6,680,398	100.0000000000	235	116	II
10E	Ginnie Mae	2010-010	PM	January 29, 2010	38376HQQ0	5.0	FIX	July 2038	PAC 1	33,078,000	0.15909959	5,262,696	87.6987025666	239	112	II
10F	Ginnie Mae	2010-050	YB	April 30, 2010	38375AAM3	4.0	FIX	October 2038	PAC 1	41,550,000	0.33075011	6,615,002	48.1347773767	241	110	II
10G	Ginnie Mae	2002-072	PB	October 30, 2002	38373VUH5	4.5	FIX	August 2039	PAC/AD	17,279,422	0.78823957	3,704,725	27.1999838884	245	106	II
10H	Ginnie Mae	2003-085	PD(5)	October 30, 2003	38374C5H0	4.0	FIX	October 2033	PAC/AD	250,000,000	0.01648936	3,297,872	80.0000000000	147	199	II
10I	Ginnie Mae	2009-032	PD	May 29, 2009	38374UQA4	4.5	FIX	March 2033	PAC 1	151,200,000	0.01668989	392,247	16.5343915344	164	185	II
10J	Ginnie Mae	2010-068	GL(5)	June 30, 2010	38377GLTH4	4.0	FIX	January 2038	PAC 1	48,442,000	0.04693146	2,023,778	89.0177947599	235	116	II
10K	Ginnie Mae	2010-034	ND(5)	March 30, 2010	38376WZT1	4.0	FIX	September 2038	PAC 1	67,882,224	0.38887336	1,555,493	5.8925588531	247	104	II
10L	Ginnie Mae	2009-065	TM	August 28, 2009	38375MTX3	3.5	FIX	November 2038	PAC 1	72,345,074	0.39863953	23,657,292	82.0305664688	238	112	II
10L	Ginnie Mae	2010-079	AP	June 30, 2010	38377GHV4	3.5	FIX	December 2038	PAC/AD	54,000,000	0.04513890	677,883	27.7777777778	227	120	II
10M	Ginnie Mae	2018-105	LY	August 30, 2018	38380YRJ6	3.5	FIX	May 2039	PAC	126,000,000	0.09684976	7,844,831	64.2857142857	243	107	II
10M	Ginnie Mae	2018-124	QY(5)	September 28, 2018	38380Y3E3	3.5	FIX	August 2048	SEQ	3,060,704	1.00000000	3,060,704	100.0000000000	354	6	II
11	Ginnie Mae	2019-006	BE(9)	January 30, 2019	38381BL85	3.5	FIX	August 2045	SEQ	10,619,000	1.00000000	183,664	1.7295790564	354	(9)	II
										52,372,555	1.00000000	52,372,555	100.0000000000	(9)	(9)	II

- (1) As defined under “Class Types” in Appendix I to the Base Offering Circular.
- (2) Underlying Certificate Factors are as of January 2019.
- (3) Based on information as of January 2019.
- (4) Ginnie Mae 2009-055 Class ND is backed by previously issued MX certificates, Classes JA and JX from Ginnie Mae 2009-042.
- (5) MX Class.
- (6) The Interest Rate will be calculated as described under “Terms Sheet — Interest Rates” in the related Underlying Certificate Disclosure Document.
- (7) More than 10% of the Mortgage Loans underlying this Underlying Certificate may be higher balance Mortgage Loans. See “Risk Factors” in this Supplement.

- (8) Ginnie Mae 2018-134 Class PT is backed by the Ginnie Mae 2018-134 Subgroup 1C and Subgroup 1D Trust Assets. These Trust Assets are backed, directly or indirectly, by certain mortgage loans whose approximate weighted characteristics are as follows:

Series	Trust Asset Subgroup	Approximate Weighted Average Coupon of Mortgage Loans(3)	Approximate Weighted Average Remaining Term to Maturity of Mortgage Loans (in months)(3)	Approximate Weighted Average Loan Age of Mortgage Loans (in months)(3)
2018-134	Subgroup 1C Trust Assets	6.079%	355	5
2018-134	Subgroup 1D Trust Assets	5.877	353	5

- (9) Ginnie Mae 2019-006 Class BE is backed by the Ginnie Mae 2019-006 Subgroup 10C and Subgroup 10D Trust Assets. These Trust Assets are backed, directly or indirectly, by certain mortgage loans whose approximate weighted characteristics are as follows:

Series	Trust Asset Subgroup	Approximate Weighted Average Coupon of Mortgage Loans(3)	Approximate Weighted Average Remaining Term to Maturity of Mortgage Loans (in months)(3)	Approximate Weighted Average Loan Age of Mortgage Loans (in months)(3)
2019-006	Subgroup 10C Trust Assets	5.270%(10)	357(10)	2(10)
2019-006	Subgroup 10D Trust Assets	5.550(10)	359(10)	1(10)

- (10) Based on the assumed characteristics set forth for the related Trust Assets under “Term Sheet — Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3 and 9 Trust Assets and the Subgroup 10C, 10D, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V and 10W Trust Assets” in this Supplement. The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Ginnie Mae 2019-006 Class BE Underlying Certificate will differ from the weighted averages shown above, perhaps significantly.



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